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United States Hydrographic Office Manuscript Charts in the National Archives

1838-1908

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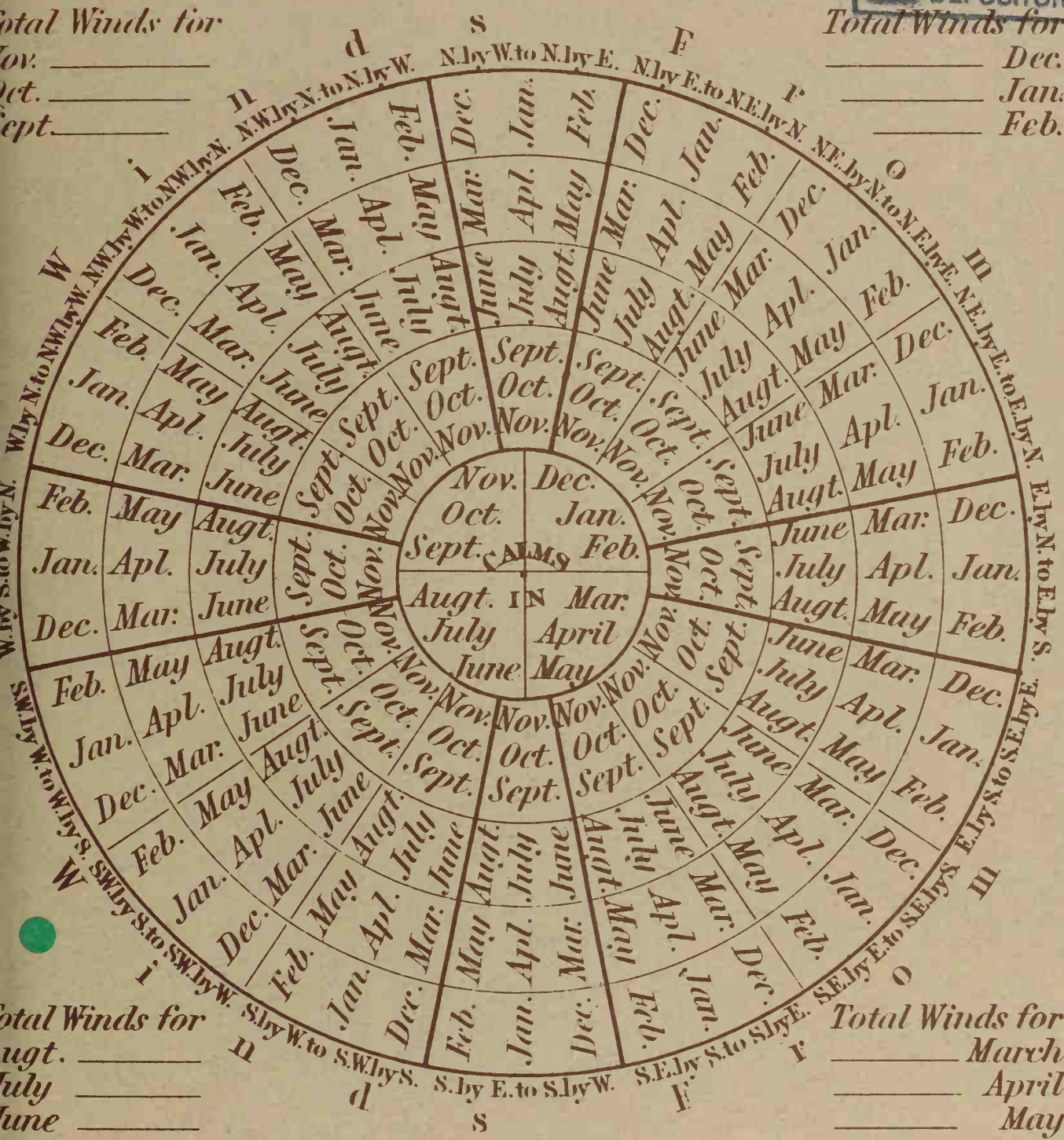
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Cover: Diagram from an 1854 wind and current chart of the coast of Brazil by Lt. Matthew Fontaine Maury, Superintendent of the U. S. Navy Depot of Charts and Instruments, predecessor of the Hydrographic Office.

United States Hydrographic Office Manuscript Charts in the National Archives 1838-1908

Compiled by
William J. Heynen

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Foreword

The General Services Administration, through the National Archives and Records Service, is responsible for administering the permanently valuable noncurrent records of the Federal Government. These archival holdings, now amounting to more than 1 million cubic feet, date from the days of the First Continental Congress and consist of the basic records of the legislative, judicial, and executive branches of our Government. The Presidential libraries of Herbert Hoover, Franklin D. Roosevelt, Harry S. Truman, Dwight D. Eisenhower, John F. Kennedy, and Lyndon B. Johnson contain the papers of those Presidents and of many of their associates in office. These research resources document significant events in our Nation's history, but most of them are preserved because of their continuing practical use in the ordinary processes of government, for the protection of private rights, and for the research use of scholars and students.

To facilitate the use of these materials our archivists prepare various kinds of finding aids that describe their nature and content. The present work is one such publication. We believe that it will be of value to anyone who wishes to use the records it describes.

Preface

Special lists are published by the National Archives and Records Service (NARS) as part of its records description program. The special list describes in detail the contents of certain important records series; that is, units of records of the same form or that deal with the same subject or activity or that are arranged serially. Its form and style are not fixed but vary according to the nature of the records to which it relates. Its distinguishing characteristic is that it goes beyond the general description contained in a record group registration statement, a preliminary inventory, or an inventory and describes records in terms of individual record items.

In addition to lists and other finding aids that relate to particular record groups, NARS issues publications that give an overall picture of materials in its custody. A new, comprehensive *Guide to the National Archives of the United States* and a revised and expanded *Guide to Materials on Latin America in the National Archives of the United States* were published in 1974. Reference information papers analyze records in the National Archives of the United States (hereafter called the Archives) on such subjects as transportation, small business, and the Middle East. Records of the Civil War are described in *Guide to Federal Archives Relating to the Civil War* (1962), *Guide to the Archives of the Government of the Confederate States of America* 1968), and *Civil War Maps in the National Archives* (1964); those of World War I in *Handbook of Federal World War Agencies and Their Records, 1917-1921* (1943); and those of World War II in the two-volume guide *Federal Records of World War II* (1950-51). Genealogical records are described in *Guide to Genealogical Records in the National Archives* (1964). In the Archives are large quantities of audiovisual materials received from all sources: Government, private, and commercial. The *Guide to the Ford Film Collection in the National Archives* (1970) describes one of the largest private gift collections. The extensive body of maps and charts is described in the *Guide to Cartographic Records in the National Archives* (1971).

Many bodies of records of high research value have been microfilmed by NARS as a form of publication. Positive prints of these microfilm publications, many of which are described in the current *Catalog of National Archives Microfilm Publications,* are available for purchase. For other publications, see the most recent *Select List of Publications of the National Archives and Records Service,* General Information Leaflet No. 3.

JAMES B. RHOADS
Archivist of the United States

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Introduction

The Hydrographic Office of the U.S. Navy was one of three agencies of the Federal Government engaged in hydrographic surveying and charting. The other two agencies were the U.S. Coast and Geodetic Survey (currently the National Ocean Survey), which prepared charts of the coasts of the United States and its possessions, and the U.S. Army's Lake Survey, which operated only in the Great Lakes. The Hydrographic Office was primarily concerned with marine charting in foreign waters and coasts outside the United States.

The origin of the Hydrographic Office can be traced back to the Depot of Charts and Instruments, established in 1830 as a clearinghouse for navigational equipment and foreign charts. It was not until 1866, however, that the Office became a separate agency with responsibility for providing charts and descriptive sailing directions for U.S. Government and private ships.

Because of the enormous task of mapping most of the world's coasts, the Hydrographic Office relied on foreign sources for hydrographic information, and for many years most of its printed charts were reproductions of foreign (especially British Admiralty) survey charts, corrected for accuracy and revised in format. Records indicate that most of the original American surveys before 1908 were conducted in the Pacific Ocean region (including Japan and parts of the Siberian coast) and in Mexico, Central America, and the Caribbean.

Cartographic records from Navy surveys in the 19th and early 20th centuries usually included triangulation diagrams, boat sheets showing depth soundings taken by the drop of a weighted line every few feet, rough compilation or plotting sheets (sometimes called first projections or, in the 20th century, master sheets) on which data from several boat sheets were brought together, and smooth sheets or final manuscript charts redrawn from all the preceding survey work. Because the object of marine surveying was to produce charts useful to ships' navigators, the charts emphasized depth soundings and fathom curves; the nature of the shoreline; bottom sediments useful for determining positions when the shore was not visible; locations of shoals, rocks, shipwrecks, and other dangers; locations of buoys, beacons, lighthouses, and other navigation aids; and sufficient topographic and cultural features on coastal land areas for use in plotting positions offshore. Topographic information ranged from a few landmarks to the careful representation of coastal terrain or at least the seaward side of the terrain. Coastal towns and cities usually were only roughly indicated but often included a few easily recognized landmarks, such as forts or churches, from which mariners could obtain bearings; locations of interest to the sailor, such as customhouses and U.S. consulates in foreign areas, were shown; and coastal landscape views of rocks, lighthouses, and topography, drawn in profile from the seaward side, were placed on finished charts to provide visual recognition and to serve as a means of determining positions offshore.

This list describes 4,910 manuscript hydrographic and oceanographic survey charts and other cartographic records accumulated as part of the pre-1908 archives of the Hydrographic Office and its predecessor agencies. These records are now in the custody of the Cartographic Archives Division of the National Archives and Records Service (NARS) and are part of Records of the Hydrographic Office, Record Group 37. There are

also textual reports and correspondence in the custody of the Military Archives Division and technical field notes presently in the custody of the General Archives Division. Although the records are stored at three locations, identical numerical filing systems facilitate research in the related records; for example, a chart may be filed as 553.50 in the Cartographic Archives Division, and related correspondence or survey field notes may be filed under the same number in one of the other two divisions.

Most of the charts described in this list were obtained as enclosures to survey reports and correspondence between 1838 and 1908. They were filed in the archives of the Hydrographic Office under a decimal numbering system for use as source material for published charts and sailing manuals and to answer questions about navigation problems around the world. They include original survey sheets, naval reconnaissance charts, charts marked with corrections by both Navy and merchant ships and forwarded to the Hydrographic Office, depth profiles, track charts of individual ships, river charts, harbor plans, maps of land areas, and landscape views.

Filed separately from the main series but included in this list are 197 Spanish coastal charts of parts of the Philippines based on surveys that began in the 1750's (although the earliest charts appear to be copies made during the 1800's) and ended in 1901. No textual documentation has been found to identify the sources of these charts; they may have been acquired by the U.S. Coast and Geodetic Survey or the U.S. Navy after the Spanish-American War. Each has been marked "Spanish chart" and has been given an arbitrary identifying number.

The basic arrangement of the entries in this list is geographical, adapted from 19th-century Hydrographic Office lists of published nautical charts. Charts relating to the oceans and their islands are described first, followed by charts relating to each of the world's continents and the Arctic. The continents are divided into regions arbitrarily chosen to reflect an orientation to coastal areas. Within each region, charts and maps covering broad areas or general subject matter are listed first. These are followed by entries relating to bays, harbors, rivers, islands, and other local areas, arranged geographically so that charts of places adjacent to one another on the map are described in adjacent entires. If there are several charts of the same place, they are arranged chronologically. A few miscellaneous charts are described at the end of the list.

Exceptions to this arrangement scheme are island groups in the Pacific Ocean, listed alphabetically; track charts of individual ships, listed in several places alphabetically by vessel's name; and charts from canal surveys in Central America, grouped under the appropriate expedition.

Entries relating to specific places can be located by consulting the general index, which includes references to subjects, personal names, and place-names. There is also a separate index to ships mentioned in the entries, as well as two indexes that provide a quick reference to charts from early U.S. Navy expeditions to the Pacific between 1838 and 1859 and to landscape views and other illustrations described in the entries.

Within each entry the title contains the date of the original survey or when the chart was compiled, annotated, or forwarded to the Hydrographic Office. Undated items are indicated by "n.d." Chart titles or title fragments are quoted from the charts when they are considered significant or helpful in understanding the contents of the charts. Scales are quoted from the charts or estimated by the compiler. Sizes are given only for a few very large charts, as such oversize items may have limited value to a potential user. The

source of the records, usually a ship or a surveying expedition, is included whenever possible.

Not covered in this list are other cartographic records of the Hydrographic Office that are in the National Archives of the United States. These include manuscript survey charts from two later chronological series, 1908-24 and 1924-45, each with its own filing system and index, and an estimated 90,000 printed charts that date from 1866 to 1972 and bear the Hydrographic Office's "H.O." designation. Many of the printed charts are directly related to the manuscript survey sheets described here and can be used in conjunction with them.

Other textual and cartographic records in Record Group 37 are described briefly in *Inventory of the Records of the Hydrographic Office,* National Archives Inventory Series No. 4 (1971), compiled by Maizie Johnson and William J. Heynen.

WORLD

1. U.S. EXPLORING EXPEDITION. 1838-42. 1 item.

"Chart of the World Shewing [sic] the Tracks of the U.S. Exploring Expedition in 1838, 39, 40, 41, & 42. Charles Wilkes Esq. Commanding." Printed chart, marked "Hydrographic Office chart No. 69," showing tracks of the ships *Vincennes, Peacock, Porpoise, Flying Fish, Oregon,* and *Relief* and symbols indicating currents, winds, and isothermal lines. Small scale. (Filed as 142.2, #1; duplicate filed as 142.21, #V-2)

A different version of the world track chart of the Wilkes expedition, at larger scale and on four sheets, is filed with Records of the Office of the Chief of Engineers, Record Group 77, file Misc-30, sheets 43-46.

2. PERRY EXPEDITION TO JAPAN. 1853-54. 1 item (2 sections).

"Chart of the World shewing [sic] the Track of the U.S. steam frigates *Mississippi, Susquehanna* and *Powhatan,* as Flagships of the Japan Squadron, under command of Commodore M. C. Perry, U.S.N. 1853-54." The two sections of the printed chart are numbered 175 and 176, respectively, in the lower right. Dates and wind directions are indicated. Small scale. (Filed as 142.21, #M-5, sheets 1 and 2)

3. TELEGRAPH LINES. Ca. 1897-80. 1 item (3 sections).

Large chart of the world showing measured, unmeasured, and proposed telegraph lines. Bearing the annotation "Probably Commander Green's work in 1879 or 1880," it apparently was prepared as an exhibit. Scale is not shown. (Filed as 142.54)

4. U.S. DIPLOMATIC POSTS. Ca. 1885. 28 items.

Printed maps of the major world regions showing locations of diplomatic legations, consulates, and consular agencies; base maps and tracing overlays used in construction of the printed maps; and a world index showing coverage of the regional maps. Small scale. (Filed as 192.32)

5. OCEAN DEPTHS. 1886-87. 1 item.

Bound volume of small photographs of charts originally prepared by Captain Degreaves "for his majesty King Kalakana I" of Hawaii and presented to the archives of the Hydrographic Office by Lt. George R. Blow, USN, 1894. The photographs show exaggerated cross sections of the globe at various latitudes; ocean bottom profiles from the Pacific Cable Survey of the U.S.S. *Tuscarora* (1873-74), including "Belknap's Submarine Mountain"; simplified topographic profiles of Japan and the Palestine-Dead Sea area; and a chart of deep-sea soundings in the Atlantic, based on surveys of the U.S. ships *Enterprise* (1885) and *Juniata* (1886). Some of the photographs are faded and illegible. (Filed as 161.17)

6. TELEGRAPH LINES AND COALING, DOCKING, AND REPAIRING FACILITIES FOR STEAMSHIPS. 1896. 1 item.

Published Hydrographic Office chart No. 1530, "Submarine Cables of the World With Principal Connecting Land Lines, Also Coaling, Docking, and Repairing Stations," corrected by the Commercial Cable Co.; new cables are marked in green. 1 inch to approx. 500 miles at the Equator. (Filed as 492.47)

7. INTERNATIONAL DATELINE. 1899. 2 items.

Published Hydrographic Office chart No. 1530, "Submarine Cables of the World . . .," annotated to show a change of the international dateline as preferred by George Davidson of the Department of Geography, University of California (1 inch to approx. 500 miles at the Equator); and a

small printed chart entitled "The Line Separating the Lands of the Pacific Where American Date Is Kept From Those Where Asiatic Date Is Kept According To The Investigations of Professor George Davidson of the University of California" (small scale). (Filed as 3112.29)

Correspondence from Davidson, formerly of the U.S. Coast Survey, is filed among the related textual records.

8. TELEGRAPH LINES. 1901. 1 item.
Printed chart issued by the International Telegraph Bureau at Berne, Switzerland. Small scale. (Filed as 4112.3)

9. TELEGRAPH LINES. N.d. 1 item.
Partial tracing of a map showing telegraph lines of the world and annotated with notes to the printer. Only the telegraph lines were traced. Scale is not shown. (Filed as 141.46, #3)

Ship Tracks

The following track charts generally show routes, dates of voyages, and symbols indicating winds and currents encountered. Some also show (on front or reverse) statistical tables giving temperature, pressure, fuel expended, sightings, and other remarks; names of officers, number of crew; size of ship; and steam or sail characteristics.

See additional track charts listed under "Atlantic Ocean" and "Pacific Ocean."

10. U.S.S. "ALASKA." 1870-73. 1 item.
Track chart of voyage from New York to China, via Cape Town, and return. (Filed as 142.21, #A-8)

11. U.S.S. "ALERT." 1876. 4 items.
Track charts of voyage from New York to China via the Suez Canal, including an unsuccessful search for Watson's Rock in the North Atlantic. (Filed as 142.21, #A-1–#A-4)

12. U.S.S. "CALIFORNIA." 1871-73. 10 items.
Track charts of voyages in the Atlantic and Pacific. (Filed as 142.21, #C-1, sheets 1-10)

13. U.S.S. "COLORADO." 1870. 3 items.
Track charts of voyage from North America to the East Indies by way of Cape Town. (Filed as 142.21, #C-4, sheets 1-3)

14. U.S.S. "COLORADO." 1870-73. 1 item.
Track chart of voyage from the United States to Hong Kong and return. (Filed as 142.21, #C-4, sheet 5)

15. U.S. SHIPS "CONGRESS" (1845-46), "CYANE" (1846-48), "MINNESOTA" (1857), AND "PERRY" (1843-44). 1 item.
Four tracks on one chart. (Filed as 142.21, #C-5)

16. U.S.S. "DELAWARE." 1867-70. 1 item.
Track chart of voyage from New York to China, via Cape Town, and return. Track annotated on chart of the world published by James Imray & Son, London, 1870. (Filed as 142.21, #D-1)

17. U.S. SHIPS "HARTFORD" AND "WACHUSETT." 1865-67. 10 items.
Track charts of voyages of the U.S.S. *Hartford* from New York to China via the Suez Canal and of the U.S.S. *Wachusett* from Hong Kong to New York. The track of the *Wachusett* is shown on sheet 10 only. (Filed as 142.21, #H-1, sheets 1-10)

18. U.S.S. "JAMESTOWN." 1882. 1 item (2 sections).
Track chart of voyage from San Francisco to Boston via Cape Horn. (Filed as 142.21, #J-1, sheets 1 and 2)

19. U.S.S. "KEARSARGE." 1868-70. 1 item.
Track chart of voyage from Boston to Australia, South America, Sandwich (Hawaiian) Islands, and San Francisco. (Filed as 142.21, #K-2)

20. U.S.S. "MONONGAHELA." 1873-76. 8 items.
Track charts of voyage from Portsmouth to Rio de Janeiro, Uruguay, Cape Town,

Kerguelen Island in the Indian Ocean, and the West Indies. Remarks about winds and currents are on separate sheets. (Filed as 142.21, #M-1, sheets 1-8)

21. U.S.S. "OMAHA." 1872-75. 1 item.
Track chart of voyage from Philadelphia to Madeira, Cape Verde Islands, Magellan Straits, and the Pacific coast of South America. (Filed as 142.21, #O-1)

22. U.S.S. "OSSIPEE." 1869-72. 6 items.
Track charts of voyage from San Francisco to New York. (Filed as 142.21, #O-2, sheets 1-6)

23. U.S.S. "POWHATAN." 1869-76. 4 items.
Track charts of voyages from New York to Peru (1869-70) and in the North Atlantic and West Indies (1874-76). (Filed as 142.21, #P-2, sheets 1-4)

24. U.S.S. "RESACA." 1867-72. 1 item.
Track chart of voyage in the Atlantic and Pacific. (Filed as 142.21, #R-1)

25. U.S.S. "RICHMOND." 1872-73. 4 items.
Track charts of voyage in the Atlantic and Pacific. (Filed as 142.21, #R-2, sheets 1-4)

26. U.S.S. "ST. MARY'S." 1870-73. 1 item.
Track chart of voyages in the South Pacific and from San Francisco to Norfolk. (Filed as 142.21, #S-2)

27. U.S.S. "SWATARA." 1869-75. 16 items.
Track charts of voyages on the Transit of Venus Expedition in the South Atlantic, Indian, and South Pacific Oceans and in the West Indies. The West Indies track is shown on sheet 16. (Filed as 142.21, #S-4, sheets 1-16)

28. U.S.S. "TUSCARORA." 1868-76. 6 items.
Track charts of voyages from San Francisco to New Hampshire via South America (1868-71), around the margins of the North Pacific during deep-sea sounding operations (1873-74), and to Australia (1875-76). Three sheets are duplicates. (Filed as 142.21, #T-1, sheets 1-6)

See records of deep-sea soundings in the Pacific described in entries 98-110.

29. U.S.S. "YANTIC." 1872-74. 1 item.
Track chart of voyage in the Mediterranean Sea and in the Indian and Pacific Oceans. (Filed as 142.21, #Y-1)

ATLANTIC OCEAN

30. U.S. EXPLORING EXPEDITION TO THE ATLANTIC. 1838. 1 item.
"Chart of the Track of the Exploring Expedition from the U. States to Rio de Janeiro In search of Various Shoals & Vigia's on the route Shewing [sic] the Winds, Currents, Variation, and Mean Tem. Air & Water. 1838. Drawn by Lt. J. Alden and P. M. W. May." Manuscript chart showing routes of the U.S. ships *Vincennes, Porpoise, Peacock,* and *Relief.* Approx. 1:13,000,000. (Filed as 142.2, #2)

31. TRACK CHARTS OF NORTH ATLANTIC (MAURY'S WIND AND CURRENT CHARTS). Ca. 1849. 5 items.
Printed charts of sections of the North Atlantic, series A (track charts), Nos. 6-8 (with duplicates), annotated with additional tracks. The charts show winds reported along tracks of numerous ships, and names and dates of voyages. Small scale. (Filed as 141.35, #1- #5)

32. ISOTHERMAL CHARTS OF SOUTH ATLANTIC (MAURY'S WIND AND CURRENT CHARTS). Ca. 1855. 6 items.
Rough original sheets used for plotting temperature information, with notes to the engraver. Sheet 1 contains a list of "Abstract Logs examined for the isothermal charts South Atlantic Ocean . . ." identified by number of log. Small scale. (Filed as 342.6, #1- #6)

33. DEEP-SEA SOUNDINGS BY BERRYMAN AND LEE. Ca. 1855. 1 item (2 sections).
Chart of the North Atlantic published in 1852 by E. and G. Blunt of New York and

annotated to show soundings of "Berryman" (apparently Lt. O. H. Berryman, USN, assistant with U.S. Coast Survey during the 1850's, who conducted deep-sea surveys for telegraph lines along the Gulf Stream in the U.S. steamer *Arctic*), and "Lee" (apparently Adm. S. P. Lee, commander of the North Atlantic Squadron during the 1860's). The published base chart by Blunt has the following inset plans with dates of surveys: Nantucket shoals, 1848-51; Azores, 1844; Virgin Rocks (Newfoundland Banks), n.d.; Tenerife Island, Canary Islands, 1838; and Madeira Island, 1843. 1 inch to approx. 100 nautical miles. (Filed as 141.31)

34. NORTH ATLANTIC TELEGRAPH SOUNDINGS BY U.S. STEAMER "ARCTIC." 1856. 1 item.

Tracing of a combined chart and profile of deep-sea soundings between Newfoundland and Ireland, taken during a survey commanded by Lt. O. H. Berryman to determine the feasibility of laying a telegraph wire across the Atlantic. 1 inch to approx. 50 nautical miles. (Filed as 141.46, #1)

35. PROJECTED NORTH ATLANTIC TELEGRAPH LINE. 1856. 1 item.

Tracing of original map by George Schroeter of New York (apparently of Disturnell and Schroeter, a publishing company), showing the projected submarine telegraph line connecting Europe and America (The Telegraphic Plateau), lines in operation in the northeast parts of North America and the British Isles, icefields, limits of the Gulf Stream in March and September, a few deep-sea soundings in the Grand Banks area, and individual iceberg sightings for the years 1833-43. 1 inch to approx. 60 nautical miles. (Filed as 141.46, #2)

36. BATHYMETRIC SKETCH CHART OF THE ATLANTIC. 1874. 1 item.

Small chart on tracing cloth of the North and South Atlantic based on the soundings of the H.M.S. *Challenger*. Shows 1000-fathom curves and temperature information. Small scale. (Filed as 543.8)

37. NORTH ATLANTIC TELEGRAPH SURVEY. 1874-75. 14 items.

Charts, primarily British Admiralty base charts, including charts B.A. 2060A and B.A. 2060B, dated 1872 (with annotations), which depict the Gulf Stream. Shown are track and soundings during a survey by the U.S. steamer *Faraday* for a cable route across the North Atlantic. Scales vary. (Filed as 142.6)

38. ROUTES OF THE CUNARD LINERS OF THE ROYAL MAIL STEAM PACKET CO. BETWEEN EUROPE AND AMERICA. Ca. 1890. 1 item.

Chart of the North Atlantic. Small scale. (Filed as 142.21, #M-6)

39. STEAMSHIP ROUTES OF THE ROYAL DUTCH WEST INDIES MAIL LINE AND THE CLYDE LINE IN THE CARIBBEAN. 1891. 1 item.

Small-scale chart. (Filed as 253.71)

40. ROUTES OF THE EARN STEAMSHIP CO. FROM PHILADELPHIA TO THE CARIBBEAN. 1892. 1 item.

Chart, forwarded to Washington by the Branch Hydrographic Office at Philadelphia, bearing sailing directions. Small scale. (Filed as 251.83)

41. ROUTES OF VARIOUS COMMERCIAL STEAMERS IN THE ATLANTIC. 1892. 5 items.

Three published charts forwarded to Washington by the Branch Hydrographic Office at New Orleans. Annotations show tracks of steamers of the Harrison Line out of New Orleans, the Royal Mail Line and the Altar(?) Line out of Central America, and the Morgan Line out of New Orleans and Galveston. Two separate sheets give tables of distances. One chart is signed by the captain of the schooner *Angie L. Green* of Philadelphia. Scales vary. (Filed as 261.8)

42. SUBMARINE CABLES AND STEAMSHIP ROUTES IN NORTH ATLANTIC. 1897. 1 item.

"Chart of the North Atlantic Station For Naval Purposes. F. M. Bunce, Rear Admiral,

U.S. Navy, Commander in Chief of North Atlantic Station." Blueprint chart covering the western half of the Atlantic, and showing submarine telegraph cables and steamship lines. 1:12,000,000. (Filed as 3101.33)

Ship Tracks

The following track charts generally show routes, dates of voyages, and symbols indicating winds and currents encountered. Some also show (on front or reverse) statistical tables giving temperature, pressure, fuel expended, sightings, and other remarks; names of officers; number of crew; size of ship; and steam or sail characteristics.

See additional track charts listed under "World" and "Pacific Ocean."

43. U.S.S. "ADAMS." 1877. 1 item.
Track chart of voyage from Virginia to Rio de Janeiro, Brazil. (Filed as 341.30)

44. U.S.S. "ASA T. SHOWELL." 1892. 1 item.
Track chart of voyage from Philadelphia to the Caribbean Sea. The ship is described as a schooner based in Providence, R.I. (Filed as 251.86)

45. U.S.S. "BROOKLYN." 1874. 1 item (2 sections).
Track chart of voyage from Boston to the Caribbean Sea. (Filed as 142.21, #B-2)

46. U.S.S. "COLORADO." 1873-75. 1 item.
Track chart of voyage from New York to Key West. (Filed as 142.21, #C-4, sheet 6)

47. U.S.S. "CONGRESS." 1870. 1 item.
Track chart of voyage from Boston to the Caribbean Sea. (Filed as 142.21, #C-2)

48. U.S.S. "CONGRESS." 1874-76. 4 items.
Track charts of voyage from Key West to Europe and the Mediterranean Sea. (Filed as 142.21, #C-3, sheets 1-4)

49. U.S.S. "DE SOTO." 1867. 1 item.
Track chart of voyage in the West Indies. (Filed as 142.21, #D-2)

50. U.S. SURVEYING BRIG "DOLPHIN." 1851-52. 1 item (2 sections).
Track chart of voyage in the Atlantic, originally published as Senate Executive Document 59, 33d Congress, 1st session. Symbols show extensive soundings, currents, surface and undersea temperatures, and sightings of birds, whales, porpoises, and fish. The circular route covers parts of the North and South Atlantic and passes through a "mountainous region" and the "Sargasso Sea According to Laurie's Atlantic Memoir London 1845." Approx. 1:5,000,000. (Filed as 142.21, #D-3)

51. U.S.S. "ELLEN CRUSOE." 1892. 1 item.
Chart, forwarded to Washington by the Branch Hydrographic Office at Philadelphia, showing routes of the schooner from Philadelphia to the Caribbean Sea. (Filed as 251.84)

52. U.S.S. "FRANKLIN." 1873-77. 3 items.
Track charts of voyages from New York to the coasts of Europe and the Mediterranean (1873-74), the South Atlantic (1876), and Cape Henry, Va. (1877). (Filed as 142.21, #F-1, sheets 1-3)

53. U.S.S. "FROLIC." 1870. 1 item.
Track chart of voyage off the northeast coast of North America. (Filed as 142.21, #F-2)

54. U.S.S. "GETTYSBURG." 1868-69. 3 items.
Track charts of voyage in the West Indies. (Filed as 142.21, #G-1, sheets 1-3)

55. U.S.S. "GETTYSBURG." 1876. 1 item.
Track chart of voyage in the Atlantic Ocean, with additional soundings by H.M.S. *Challenger,* showing track and soundings from St. Thomas, V.I., to Cape Henry, Va., via Bermuda. "Soundings . . . by the USS *Gettysburg* are shown in red ink—Those in Black ink were made by H.M.S. *Challenger* in 1873." (Filed as 142.1)

56. SS "INDIAN." 1904. 1 item.
Track chart of voyage from Liverpool to New Orleans. (Filed as 572.29)

57. U.S.S. "KANSAS." 1868-69. 1 item.
Track chart of voyage from New York to Brazil. (Filed as 142.21, #K-1)

58. U.S.S. "KANSAS." 1873-75. 2 items.
Track charts of voyages from New Orleans to New Hampshire and in the Caribbean Sea. (Filed as 142.21, #K-3, sheets 1 and 2)

59. U.S.S. "LANCASTER." 1869-75. 10 items.
Track charts of voyage along the coasts of South and Central America. (Filed as 142.21, #L-1, sheets 1-10)

60. U.S.S. "MACEDONIAN." 1869. 1 item.
Track chart of voyage from New York to England. (Filed as 142.21, #M-3)

61. U.S.S. "NIPSIC." 1870-71. 4 items.
Track charts of voyages to eastern Canadian fishing grounds, to Aspinwall, Panama (Darien expedition), and to the West Indies. (Filed as 142.21, #N-1, sheets 1-4)

62. U.S.S. "OREGON" AND SPANISH SQUADRON. 1898. 1 item.
Part of a published chart (H.O. chart No. 21) of the Caribbean Sea, annotated with a black line showing the track of the Spanish Squadron and with a red line showing the track of the U.S.S. *Oregon* during the Spanish-American War. Small scale. (Filed as 392.34)

63. U.S.S. "PHILADELPHIA." 1892. 1 item.
Track chart of voyage from Barbados to Montevideo. (Filed as 342.96)

64. U.S.S. "PLYMOUTH." 1872-73. 1 item.
Track chart of voyage from New York to Angola, the Guinea coast, Liberia, and Europe. (Filed as 142.21, #P-4)

65. U.S.S. "PORTSMOUTH." 1872. 3 items.
Track charts of voyage from New York to Rio de Janeiro, Brazil. (Filed as 142.21, #P-1, sheets 1-3)

66. U.S.S. "QUINNEBAUG." 1867-70. 3 items.
Track charts of voyage along the coasts of Brazil, Uruguay, and West Africa. (Filed as 142.21, #Q-1, sheets 1-3)

67. U.S.S. "RELIEF." 1871. 1 item.
Track chart of voyage in the North Atlantic. (Filed as 142.21, #R-3)

68. U.S.S. "SABINE." 1869-70. 2 items.
Track charts of voyage in the Atlantic Ocean and Mediterranean Sea. (Filed as 142.21, #S-6, sheets 1 and 2)

69. U.S.S. "SEMINOLE." 1869-70. 1 item.
Track chart of voyage in the West Indies. (Filed as 142.21, #S-7)

70. U.S.S. "SHAWMUT." 1871-73. 1 item.
Track chart of voyage in the North Atlantic and the Caribbean Sea. (Filed as 142.21, #S-3)

71. U.S.S. "SUPPLY." 1869-73. 3 items.
Track charts of voyage in the North Atlantic and the Mediterranean Sea. (Filed as 142.21, #S-1 and #S-5, sheets 1 and 2)

72. U.S.S. "TENNESSEE." 1871. 1 item.
Track chart of voyage from New York to the West Indies. (Filed as 142.21, #T-3)

73. U.S.S. "TERROR." 1873. 1 item.
Track chart of voyage from Key West to Philadelphia. (Filed as 142.21, #T-4)

74. SCHOONER "THOMAS E. SMITH." 1892. 1 item.
Chart, forwarded to Washington by the Branch Hydrographic Office at Philadelphia, showing routes of the schooner to Central America and the Caribbean Sea. (Filed as 251.85)

75. U.S.S. "TICONDEROGA." 1871-74. 5 items.
Track charts of voyages in the South Atlantic. (Filed as 142.21, #T-2, sheets 1-5)

76. U.S.S. "WORCESTER." 1872-75. 1 item.
Track chart of voyage in the West Indies. (Filed as 142.21, #W-1)

77. U.S.S. "WYOMING." 1871-74. 3 items.
Track charts of voyages in the Atlantic and the West Indies. (Filed as 142.21, #W-2)

Azores

FAYAL ISLAND

78. FAYAL ISLAND. 1876. 1 item.
Landscape view sketched in pencil, crayon, and wash. Source: U.S.S. *Gettysburg.* (Filed as 362.38, #13)

79. PORT OF HORTA, FAYAL ISLAND. 1892. 1 item.
Plan of Horta Bay and city with panoramic landscape view, printed in the Azores, with explanations in Portuguese, English, and German, and forwarded by the U.S. consul. 1 inch to approx. 275 meters. (Filed as 351.72)

80. PORT OF HORTA, FAYAL ISLAND. 1893. 1 item.
Manuscript plan of harbor showing breakwater, forts, and coal stores. Large scale. Source: U.S.S. *Constellation.* (Filed as 351.85)

81. PORT OF HORTA, FAYAL ISLAND. Ca. 1903. 2 items.
"Hydrographic Plan of the Port of Horta. Showing Coal Stores of Silveira Edwards & Co." Manuscript tracing of a Portuguese plan, and reduced duplicate photocopy. Both plans, received in 1903 from the U.S.S. *Mayflower,* show soundings in the inner harbor, shoreline features, buildings, cultivated fields, and underwater cables. 1:2,500. (Filed as 563.40, #1 and #2)

SAO MIGUEL ISLAND

82. PONTA DELGADA AND SAO MIGUEL ISLAND. 1893. 1 item.
Privately printed chart—front: large-scale plan of harbor and city of Ponta Delgada, with inset landscape view of waterfront and annotated in red ink with corrections by the U.S.S. *Concord;* reverse: chart of the island of Sao Miguel (St. Michael's), on which Ponta Delgada is located. Topography, settlements, roads, and offshore soundings are shown. 1 inch to approx. 2 nautical miles. (Filed as 351.83)

83. PONTA DELGADA AND SAO MIGUEL ISLAND. 1905. 1 item.
Duplicate of printed chart described in entry 82, with the harbor plan annotated in red ink to show range lights, which accompanied a report by the U.S.S. *Minneapolis.* Filed as 3112.2, #2)

84. PONTA DELGADA HARBOR, SAO MIGUEL ISLAND. 1904. 1 item.
"Plan of the Harbour of Ponta Delgada . . . ." Blueprint, forwarded by the U.S. consul, showing anchorage, soundings, and position of coal stores. 1 inch to approx. 170 feet. (Filed as 3112.2, #1)

Bermuda

85. BERMUDA ISLANDS. 1895. 1 item.
Published chart of the Bermuda Islands (H.O. chart No. 27, dated 1894), annotated to accompany a hydrographic report from the U.S.S. *Chicago,* commanded by A. T. Mahan. The base chart shows hydrographic and topographic information. Insets: enlarged plans of St. George's Harbor and the Grassy Bay vicinity. 1 inch to approx. 1 nautical mile. (Filed as 263.2)

Canary Islands

86. BAY OF PALMAS, GRAN CANARIA ISLAND. 1844. 3 items.
Manuscript charts of the bay surveyed by the U.S.S. *Macedonian* by order of Commodore Matthew C. Perry, commanding U.S. naval forces on the west coast of Africa. Acting Master Matthew C. Perry, Jr., assisted in the survey. The charts, at various stages of completion, show the city of Las Palmas, forts, batteries, cultivated fields, soundings, and bottom sediments in harbor. Approx. 7 inches to 1 nautical mile. (Filed as 353.33, #2a-#2c)

87. GRAN CANARIA ISLAND AND BAY OF PALMAS. 1893. 4 items.
Printed sheets, in Spanish, including a newspaper containing a chart and an 85-page pamphlet, *Descripcion General del litoral de la isla de Gran Canaria.* The

pamphlet, published in Barcelona, 1893, contains information about ports, shoals, fishing, and agriculture; attached to it is a chart of the Puerto de Refugio de la Luz (Las Palmas). (Filed as 361.27)

Other Islands and Shoals

88. GORRINGE BANK (BETWEEN PORTUGAL AND MADEIRA ISLANDS). 1876. 3 items.

Manuscript charts showing the track of the U.S.S. *Gettysburg,* commanded by H. H. Gorringe, in search of Ugarte Shoal and Daedalus Rock in the Gorringe Bank. Scales vary. (Filed as 353.4)

89. JOSEPHINE BANK (BETWEEN PORTUGAL AND MADEIRA ISLANDS). 1869. 1 item.

Manuscript chart of bank discovered in 1869 by the Swedish corvette *Josephine.* Large scale. (Filed as 351.1)

90. TEXEIROS, ANTOINETTE, AND PRYCE'S SHOALS. 1879. 1 item.

Track chart of U.S.S. *Wachusett* in search of shoals, vicinity of latitude 25° N, longitude 40° W. Large scale. (Filed as 141.63)

91. UNNAMED ROCK REPORTED IN THE NORTH ATLANTIC. 1874. 1 item.

Track chart of the U.S.S. *Brooklyn* in search of a reported rock in the vicinity of latitude 25° 35′ N., longitude 41°23′ W. 1 inch to approx. 4 nautical miles. (Filed as 141.66)

PACIFIC OCEAN

92. TRACK CHARTS OF THE U.S. NORTH PACIFIC SURVEYING EXPEDITION OF 1853-56 AND THE BROOKE EXPEDITION OF 1859. 1853-59. 4 items.

Printed charts showing tracks of the U.S. ships *Vincennes, John Hancock,* and *Fenimore Cooper* during the U.S. North Pacific Surveying Expedition commanded by John Rodgers. Sheet 1 is annotated with red and blue lines showing the tracks of the *Fenimore Cooper* during the Brooke expedition of 1859 and of the Japanese corvette that brought home the American officers and crew after their ship was wrecked. Small scale. (Filed as 142.21, #V-1, sheets 1-4)

For other records of the two expeditions, see Index to Charts From U.S. Navy Expeditions to the Pacific, 1838-59.

93. CHRONOMETER GRAPHS FROM U.S. NORTH PACIFIC SURVEYING EXPEDITION. 1854-55. 1 item..

Composite of 17 graphs on 1 sheet, showing rates of chronometers of the U.S.S. *Vincennes* corresponding to various temperatures. Explanatory notes are included. (Filed as 181.36, #79a)

For other records of the expedition, see Index to Charts From U.S. Navy Expeditions to the Pacific, 1838-59.

94. TRACK CHARTS OF NORTH AND SOUTH PACIFIC (MAURY'S WIND AND CURRENT CHARTS). Ca. 1856. 14 items.

Printed charts, annotated in colors, of the North Pacific, series A (track charts), Nos. 3, 6, and 7, and of the South Pacific (some are duplicates), series A, No. 5, showing winds reported along tracks of numerous ships and names and dates of voyages. Small scale. (Filed as 272.29, #2-#6c)

95. NAVIGATIONAL DANGERS IN THE PACIFIC OCEAN REPORTED BY U.S. NORTH PACIFIC SURVEYING EXPEDITION. 1857. 2 items.

Manuscript and printed versions of a chart of the Pacific Basin showing the locations of 446 dangerous rocks and shoals "not generally put on the charts." The rocks are keyed to a list in the margins, giving the name, geographic position, and source of information for each. Small scale. (Filed as 272.42, #50 and #51)

See Index to Charts From U.S. Navy Expeditions to the Pacific, 1838-59, for other records of the expedition.

96. TRACK OF J. M. BROOKE EXPEDITION. 1858-59. 1 item (3 sections).

Chart of the Pacific, published by E. and G. Blunt of New York, is annotated in pencil to show a ship's track and marked "probably Brooke, J. M.," commander of the U.S.S. *Fenimore Cooper.* It shows route and soundings from San Francisco to China by way of the Hawaiian, Marshall, and Mariana Islands. The base chart, published at a scale of 1 inch to approx. 150 nautical miles, contains inset plans of Hong Kong; the mouth of the Yangtze River, China; Guatulco Harbor (Santa Cruz), Mexico; the "Upper California" coast; and the Sandwich (Hawaiian) Islands. (Filed as 272.23, #1a-#1c)

See Index to Charts From U.S. Navy Expeditions to the Pacific, 1838-59, for other records of the expedition.

97. SEARCH FOR REPORTED NAVIGATIONAL DANGERS IN THE VICINITY OF THE HAWAIIAN AND LINE ISLANDS. 1873-74. 13 items.

Series of track charts resulting from a search to verify dangers reported in the published *List of Reported Dangers in North Pacific Ocean.* Scales vary. Source: U.S.S. *Portsmouth.* (Filed as 173.19, #A-1–#A-13)

Additional charts of individual islands received from the *Portsmouth* are listed separately under Line Islands.

98. DEEP-SEA SOUNDINGS ALONG THE PARTIAL GREAT CIRCLE ROUTE FROM CAPE FLATTERY, WASH., TOWARD TOKYO BAY, JAPAN. 1873-74. 6 items.

Two general track charts showing lines of soundings and four versions of a depth profile sheet, two of which show temperature and bottom characteristics as well as depths. All the sheets cover the route from Cape Flattery to a point at latitude 53°58′ N., longitude 153°W., part of the great circle route between Cape Flattery and Yedo (Tokyo) Bay. Small scale. Source: U.S.S. *Tuscarora,* commanded by G. E. Belknap. (Filed as 381.20, #10b, #11b, #13b, #17b-1, #17b-2, and #18b)

99. DRAWINGS OF DEEP-SEA SOUNDING APPARATUS USED BY THE U.S.S. "TUSCARORA" IN THE PACIFIC OCEAN. 1873-75. 21 items.

Detailed plans (including duplicates), some in color, as follows:

1a. Drawing of Belknap's specimen cylinder No. 4 with Brook's detaching apparatus. In color.
2a. Drawing of dynamometer adapted by J. W. Rae.
3a. Drawing of Belknap's deep-sea sounding cylinder: Brook's attachment and sinker.
5a. Sketch showing laniard proposed for single arm or trigger, Brook's attachment, lacing grommet, etc.
6a. Sketch showing how Thomson's machine was strengthened by tin soldered to face of drum.
7a. Sketch of Belknap's cylinder No. 3.
8a. Sketch of Belknap's cylinder No. 1 and 8-inch shot with rod.
9a. Sketch of coasting lead.
10a. Sketch of Sir William Thomson's machine, as used on the *Tuscarora.* In color.
11a. Drawing of Belknap's specimen cylinder No. 1 with detaching apparatus. In color.
12a. Sketch, in color, and four tracings of Belknap's cylinder No. 3.
13a. Sketch of Sands-Brook deep-sea sounding apparatus, combined and modified by Belknap.
14a. Drawing, in color, and tracing of balance wheel and pulley attached to Thomson's machine.
18a-1. Perspective view of Sir William Thomson's sounding apparatus.
18a-2. Tracing of detaching and specimen apparatus, by Frederick Collins, Lt., USN (1875). (See entry 1093 for additional drawings of apparatus used by Collins.)
19a. Deep-sea sounding reel, designed by Joseph I. Thatcher, carpenter, USN (n.d.).

(Filed as 381.20, #1a-#19a.)

100. DEEP-SEA SOUNDINGS AROUND THE MARGINS OF THE NORTH PACIFIC. 1874. 3 items.

Track chart showing route, winds, currents, and surface temperatures; track chart showing lines of soundings; and table of information on soundings showing dates, positions, depths, type of wire used, time lengths of casts, character of bottom, and temperatures at bottom. These sheets cover a circular route around the margins of the North Pacific, connecting Cape Flattery (Wash.), San Francisco, Honolulu, Japan, and the Aleutian Islands and return to San Francisco. Small scale. Source: U.S.S. *Tuscarora,* commanded by G. E. Belknap. (Filed as 381.20, #14b-#16b)

101. DEEP-SEA SOUNDINGS FROM CAPE FLATTERY TO SAN FRANCISCO. 1874. 13 items.

Track chart showing a line of soundings taken; supplementary chart showing the submarine mountain off Point Trinidad, west of Crescent City, Calif.; series of nine depth-profile sheets constructed "to determine the continental outline"; serial temperature map showing temperatures "referred to geographical positions"; and serial temperature graph showing temperatures at various depths "referred to curves." Small scale. Source: U.S.S. *Tuscarora.* (Filed as 381.20, #1b, #2b, #7b, and #8b, sheets 1-9)

102. DEEP-SEA SOUNDINGS FROM SAN FRANCISCO TO SAN DIEGO. 1874. 4 items.

Track chart showing lines of soundings and depth-profile sheet, both constructed "to determine the continental outline"; serial temperature graph showing temperatures at various depths "referred to curves"; and chart showing currents. Small scale. Source: U.S.S. *Tuscarora.* (Filed as 381.20, #3b-#6b)

103. DEEP-SEA SOUNDINGS FROM SAN FRANCISCO TO HONOLULU. 1874. 4 items.

Track chart showing winds and surface temperatures, profile sheet showing bottom depths and temperatures, temperature-profile graph showing surface and deep-sea temperatures as isothermic lines, and serial temperature graph showing temperatures at various depths "referred to curves." Small scale. Source: U.S.S. *Tuscarora.* (Filed as 381.20, #1c-#4c)

104. DEEP-SEA SOUNDINGS FROM SAN DIEGO TO HONOLULU. 1874. 3 items.

Track chart showing lines of soundings taken, profile sheet showing bottom depths and temperatures, and serial temperature graph showing temperatures at various depths "referred to curves." Small scale. Source: U.S.S. *Tuscarora.* (Filed as 381.20, #6c, #8c, and #9c)

105. COMPARATIVE DEPTHS ON THE SAN DIEGO-TO-HONOLULU AND THE "CAPE FLATTERY" ROUTES IN THE PACIFIC OCEAN AND IN THE NORTH ATLANTIC. 1874. 1 item.

Manuscript table, signed by Commander Belknap of the U.S.S. *Tuscarora,* of comparative sounding data for the Atlantic cable line taken from "Figuier's 'Ocean World.'" Small scale. (Filed as 381.20, #7c)

106. DEEP-SEA SOUNDINGS FROM HAWAII TO BONIN ISLANDS AND JAPAN. 1874. 9 items.

Track chart of soundings, depth profile, chart showing currents, and graph showing serial temperatures at various depths, all between Honolulu and Tokyo (Yedo) Bay, Japan; profile sheet showing surface and deep-sea temperatures and two versions of a profile sheet showing depths and serial temperatures, all between Honolulu and Port Lloyd, Bonin Islands; and two versions of a profile sheet showing depths and serial temperatures between Port Lloyd and Tokyo (Yedo) Bay. Small scale. Source: U.S.S. *Tuscarora.* (Filed as 381.20, #5-#13)

107. DEEP-SEA SOUNDINGS FROM JAPAN TO KAMCHATKA, THE ALEUTIAN ISLANDS, AND THE WEST COAST OF THE UNITED STATES. 1874. 10 items.

Track chart showing four lines of deep-sea soundings on great circle routes from Tokyo (Yedo) Bay, Japan, to Tanaga and Atka Islands, the Aleutians, and to Cape

Flattery, Wash.; general track chart and a profile of depths from Yokohama to Tanaga Island; profile of depths on the great circle route from Point Komoto, Japan, towards the Aleutian Islands; graph showing temperature curves along the coasts of Japan, the Kurile Islands, and the Aleutian Islands; copy of published H.O. chart No. 68 of the Bering Sea vicinity, annotated to show a line of soundings from Kamchatka to the Aleutian Islands; profile chart showing surface and deep-sea temperatures between Kamchatka and the Aleutian Islands as isothermic lines; profile chart showing "cold water stratum" from Kamchatka to the Aleutian Islands, in two sections; profile sheet showing depths and temperatures from Tanaga Island, the Aleutians, to Cape Flattery, Wash.; and chart showing the course of the Japanese Current in the Alaska-California region, as traced by the U.S.S. *Tuscarora.* Small scale. (Filed as 381.20, #1-#4, #5c, #10c-#13c, and #15c)

108. DEEP-SEA SOUNDINGS FROM SAN FRANCISCO TO HONOLULU. 1874-75. 2 items.

Profile sheet (in three sections) and track chart (received with a January 1875 report by Commander Erben, successor to G. E. Belknap) showing lines of soundings from a survey carried out in November 1874 by the U.S.S. *Tuscarora,* commanded by H. Erben. The profile sheet gives information on position and timing of casts, bottom sediment, temperatures, and apparatus used. Also shown on the track chart is a previous track, a line of soundings from San Diego to Honolulu run in January and February 1874 by the *Tuscarora* under Belknap's command. Small scale. (Filed as 272.27, #1 and #2)

109. DEPTH PROFILE FROM HONOLULU TO FIJI ISLANDS AND AUSTRALIA. Ca. 1875-76. 1 item (3 sections).

Profile showing bottom depths from Honolulu to Kadavu (Kandavu) Island in the Fiji group and Brisbane, Australia. Small scale. Source: U.S.S. *Tuscarora,* commanded by J. N. Miller. (Filed as 272.27, #4 and #5)

110. DEEP-SEA SOUNDING WORK IN THE NORTH AND SOUTH PACIFIC. Ca. 1876. 37 items.

Smooth versions of depth and temperature profiles showing the results of the work of Commander Belknap (1873-74), Commander Erben (1874), and Commander Miller (ca. 1875-76) on the U.S.S. *Tuscarora.* Included are 24 manuscript profiles in black and white; 9 duplicate profiles reduced for publication, with colors added to show temperature zones; and 4 worksheets. The profiles cover the margins of the North Pacific, routes between California and Honolulu, and a route from Honolulu to the Fiji Islands and Australia. Small scale. (Filed as 272.27, #3a-#3d; #6, sheets a-u; and #6a, sheets 1-9)

111. DEEP-SEA SOUNDINGS OFF THE COAST OF PERU. 1881. 4 items.

Two track charts and two depth profiles from a survey that made use of "the modified machine of Sir William Thomson with piano wire and Brooks detaching apparatus." Small scale. Source: U.S.S. *Alaska,* commanded by George Belknap. (Filed as 283.27)

112. AREAS IN THE PACIFIC WHERE DEEP-SEA SOUNDINGS WERE NEEDED. 1889. 1 item.

Published chart of the Pacific Ocean (British Admiralty chart No. 2683, dated 1889), annotated in red, apparently by the Hydrographic Office, to show areas where soundings were "most needed." Small scale. (Filed as 273.37)

113. DEPTH PROFILE OF THE PACIFIC OCEAN ALONG A RHUMB LINE BETWEEN SALINAS LANDING, CALIF., AND HONOLULU, HAWAII. Ca. 1891-92. 1 item.

Published as Senate Executive Document 153, 52d Congress, 1st session. "Horizontal and vertical scale 3/10 inch = 1,000 fathoms = 1 nautical mile (nearly)." (Filed as 3103.44)

114. DEEP-SEA SOUNDINGS FROM CALIFORNIA TO HAWAII. 1892. 9 items.

Sheets containing lists of soundings from Point Conception, Calif., to Hilo, Hawaii, accompanied by a bathymetric chart and a profile of the ocean bottom. Small scale. Source: U.S.S. *Thetis.* (Filed as 271.20)

115. SURVEY FOR A TRANS-PACIFIC TELEGRAPH CABLE. 1899-1900. 24 items.
Four very large manuscript sheets showing tracks and soundings, accompanied by tables of soundings that cover part of the route. Corrections are in color. 1 inch to approx. 8 nautical miles. Source: U.S.S. *Nero.* (Filed as 4111.19–Honolulu to Midway, 4111.20–Midway to Guam, 4111.20a–Guam to Yokohama, and 4111.21–Guam to Dingala Bay, Luzon, Philippines)

116. PACIFIC OCEAN OUTLINES. 1900. 2 items.
Small tracings of Pacific shorelines, forwarded by the U.S. consul in Kobe, Japan. Scale not shown. (Filed as 4113.34, #3 and #4)

117. NORTH PACIFIC. 1900-1901. 1 item.
Published chart of part of the Pacific Ocean bounded by North America, Hawaii, and the Equator (H.O. chart No. 527, dated 1899), annotated by Capt. R. T. Lawless of the steamship *Australia* with observations regarding currents and sightings of islands. Approx. 1:7,000,000. (Filed as 3122.13)

118. TELEGRAPH CABLE BETWEEN SAN FRANCISCO AND HONOLULU. 1903. 2 items.
Part of a published chart of the Pacific Ocean (H.O. chart No. 527, n.d.), annotated with route of telegraph cable laid by the steamship *Silvertown.* Also included is a transmittal letter from the U.S.S. *Iroquois.* Approx. 1:7,000,000. (Filed as 563.32)

119. TELEGRAPH CABLE SOUNDINGS BETWEEN CALIFORNIA AND HAWAII. 1903. 1 item.
"Deep Sea Soundings off the Coasts of California and Mexico, and Between California and the Hawaiian Islands. Published by Courtesy of the United States Branch Hydrographic Office, San Francisco." Chart printed to accompany an article, by Alexander G. McAdie, published in *Journal of Electricity, Power and Gas,* January 1903. The chart shows soundings by the cable ship *Silvertown* and the British Trans-Pacific Cable Expedition. Approx. 1:8,000,000. (Filed as 581.24)

120. WORKSHEETS FOR CONSTRUCTION OF CHART OF PACIFIC COAST OF NORTH AMERICA. N.d. 1 item (3 sections).
Manuscript version of a Hydrographic Office chart covering the Pacific coast of North America from Alaska to the Equator. Small scale. (Filed as 283.26. #1-#3)

Ship Tracks

The following charts generally show routes, dates of voyages, and symbols indicating winds and currents encountered. Some also show (on front or reverse) statistical tables giving temperature, pressure, fuel expended, sightings, and other remarks; names of officers; number of crew; size of ship; and steam or sail characteristics.

See additional track charts listed under "World" and "Atlantic Ocean."

121. U.S.S. "ALERT." 1877. 3 items.
Track charts of voyage "in search of supposed castaways," from Japan through the Bonin Islands, Mariana Islands, East Indies, the Philippines, and South China Sea. (Filed as 142.21, #A-5–#A-7)

122. U.S.S. "ALERT." 1891. 1 item.
Track chart of voyage from Cape Flattery, Wash., to Unalaska, Aleutian Islands. (Filed as 182.52, #2)

123. U.S.S. "ALERT." 1891. 1 item (2 sections).
Track chart of voyage from Unalaska, Aleutian Islands, to Petropaulowski (Kamchatka Peninsula), Siberia, and Yokohama, Japan. (Filed as 183.36, #10 and #11)

124. U.S.S. "ALERT." 1893. 2 items.
Chart of voyage from Yokohama, Japan, to San Francisco and logbook describing positions and weather and giving other information. (Filed as 481.34)

125. U.S.S. "BENICIA." 1872-74. 1 item.
Track chart of voyage from California to Sandwich (Hawaiian) Islands and South America and return. (Filed as 142.21, #B-1)

126. "CITY OF PAPEETE." 1882-94. 4 items.
Track charts of voyage of the American barkentine between Tahiti and San Francisco. (Filed as 553.37, #1-#4)

127. U.S.S. "COLORADO." 1870-72. 1 item.
Track chart of voyage in the vicinity of China, Korea, and Japan. (Filed as 142.21, #C-4, sheet 4)

128. U.S.S. "CYANE." 1867-71. 1 item.
Track chart of voyage along the west coast of North America from Alaska to Mexico. (Filed as 142.21, #C-6)

129. U.S.S. "IROQUOIS." 1872-74. 6 items.
Track charts of voyages in the Pacific and along the coast of China. (Filed as 142.21, #I-1, sheets 1-6)

130. U.S.S. "LACKAWANNA." 1868-75. 9 items.
Track charts of voyages from San Francisco to Sandwich (Hawaiian) Islands in 1868 and along the coasts of Japan, China, and Indochina from 1872 to 1875. (Filed as 142.21, #L-2, sheets 1-9)

131. SCHOONER "LAURA MADSEN." 1892-93. 1 item.
Track chart of voyage of the American schooner from Juan de Fuca Strait, Wash., to San Francisco and San Diego. (Filed as 553.37, #5)

132. U.S.S. "MOHICAN." 1869-72. 3 items.
Track charts of voyages in the Pacific. Routes include Peru, Sandwich (Hawaiian) Islands, and Plover Bay, Siberia. (Filed as 142.21, #M-2, sheets 1-3)

133. U.S.S. "MONOCACY." 1867-68. 2 items.
Track charts of voyage along the coast of China and southern Japan. (Filed as 142.21, #M-4, sheets 1 and 2)

134. U.S.S. "NARRAGANSETT." 1873. 1 item.
Track chart of voyage from Abreojos Point, Baja California, Mexico, to San Diego via the eastern Pacific. (Filed as 142.21, #N-2)

135. U.S.S. "NYACK." 1869. 1 item.
Track chart of voyage off the coast of South America from the Galapagos Islands to Chile. (Filed as 142.21, #N-4)

136. U.S.S. "PENSACOLA." 1873-76. 2 items.
Track chart of voyage in the Pacific. (Filed as 142.21, #P-3, sheets 1 and 1a)

137. U.S.S. "PENSACOLA." 1876-77. 2 items.
Two similar tracings of track chart of voyage from San Francisco to Panama, with views of the Gulf of California, Mexico. Soundings and landscape views are shown for the following places located in the Gulf of California; Blossom Rock, Mazatlan Harbor; and Pichilinque Harbor and San Lorenzo Channel, La Paz Bay. (Filed as 142.21, #P-3, sheet 2; 382.75)

138. STEAMER "PERU." 1901. 1 item.
The ship's track is annotated on a chart that was published by the Hydrographic Office in 1900. The chart shows recommended steamship routes across the Pacific and information on historical sightings of islands and dangers. Included with the *Peru's* track is a note on a sighting of the U.S. Army transport *Grant*. (Filed as 4123.29)

Bonin, Volcano, and Adjacent Islands

139. BONIN AND VOLCANO ISLANDS. Ca. 1812-18. 1 item.
"Carta Esferica que Comprehende Las Islas Volcanes Llamada de Azufre Formada Por Don Jose Nararrete Primer Piloto de la Real Armada . . . Para la situacion respectiva de las Yslas del Arzobispo y Rosario vistas en los anos de 1812, 1813, y 1815." Undated manuscript chart, annotated "Pertenece a la cartera de la Comandancia General de Marina. Archipielagos de Oceano Pacifico No. 12," covering area from San Augustino

or Volcano Island in the south to Disappointment and Rosario Islands in the north and showing tracks of the warship *Fidelidad* (1812-13), commercial ships *Victoria* (1815) and *Santa Rita* (1817), and the ship *Espina* (1818). 1 inch to approx. 16 nautical miles. (Filed as Spanish chart #141)

140. BONIN, VOLCANO, AND ADJACENT ISLANDS. 1880. 6 items.

Manuscript track charts of voyage in search of reported navigational dangers. 1 inch to approx. 12 nautical miles. Source: U.S.S. *Alert*. (Filed as 173.2, #1, #2, #4, and #6-#8)

For an earlier track chart of U.S.S. *Alert* in this area, see entry 121.

141. BONIN AND VOLCANO ISLANDS. 1880. 1 item.

Six landscape views (in pencil) on one sheet showing Sulphur Island (Iwo Jima), Aoga Sima, Lot's Wife (Sofu Gan), San Alessandro Island (Kita Iwo Jima), and San Augustino Island (Minami Iwo Jima). Source: U.S.S. *Alert*. (Filed as 173.2, #13)

142. SAN AUGUSTINO (MINAMI IWO JIMA, VOLCANO ISLANDS) AND FARALLON DE PAJAROS (MARIANA ISLANDS). 1880. 1 item.

Two manuscript charts on one sheet—San Augustino (Minami Iwo Jima), in the Volcano Islands; and Farallon de Pajaros, located in the northern Mariana Islands. 1 inch to approx. 2 1/4 nautical miles. Source: U.S.S. *Alert*. (Filed as 173.2, #3)

143. SAN ALESSANDRO ISLAND (KITA IWO JIMA), VOLCANO ISLANDS. 1880. 1 item.

Manuscript chart showing topography of San Alessandro and an adjacent submarine volcano. 1 inch to approx. 1/2 nautical mile. Source: U.S.S. *Alert*. (Filed as 173.2, #5)

144. BONIN ISLANDS (OGASARAWA GUNTO). Ca. 1854-55. 2 items.

Manuscript and printed versions of a composite of four charts (on one sheet) from the U.S. North Pacific Surveying Expedition. Included are a general chart of the Bonin Islands (Ogasarawa Gunto), a chart of the Coffin group (Haha Jima), and enlarged plans of the harbors of Port Lloyd and Fitton Bay on Peel Island (Chichi Jima). The chart of the Coffin group is based on a survey by the U.S.S. *Plymouth*, by order of Commodore Matthew C. Perry. Scales vary. (Filed as 272.42, #57 and #58)

145. BONIN ISLANDS (OGASARAWA GUNTO). Ca. 1854. 1 item.

Untitled original worksheet from the U.S. North Pacific Surveying Expedition covering the "Bonin (or Arzobispo) Group," including Parry's group (Muko Jima), Kater Island, Peel Island (Chichi Jima), and the Coffin group (Haha Jima), and showing a few soundings, topography, and placenames. 1 inch to approx. 2 nautical miles. (Filed as 272.42, #56)

146. PORT LLOYD, PEEL ISLAND (CHICHI JIMA), BONIN ISLANDS. 1853. 1 item.

"Verification of Capt. Beechey's Chart of Port Lloyd, Peel Island; one of the Arzobispo or Bonin Isles. By Officers of U.S. Ships *Susquehanna & Saratoga*, by order of Commodore M. C. Perry, Commanding U.S. Squadron E.I. China & Japan Seas. 1853." Manuscript chart showing hydrography and topography. Names of "officers employed" are shown in the legend. Insets: two profile views of topography. Approx. 8 inches to 1 nautical mile. (Filed as 272.42, #61)

147. PORT LLOYD, PEEL ISLAND (CHICHI JIMA), BONIN ISLANDS. 1854. 1 item.

"U.S. North Pacific Surveying Expedition, Commander John Rodgers, U.S.N., Comdg. Port Lloyd in Peel Island of the Bonin Group. Surveyed by the U.S. Ship *Vincennes*, Commander John Rodgers. November 1854." Manuscript chart showing hydrography, topography, dwellings, and cultivated fields. Insets: two landscape views of the shoreline, apparently by expedition artist Edward M. Kern. Penciled notes apparently relate to later replotting. Approx. 8 inches to 1 nautical mile. (Filed as 272.42, #60)

148. COFFIN GROUP (HAHA JIMA), BONIN ISLANDS. 1853. 1 item.
"The Coffin Group of Islands Surveyed by order of Commo: MC Perry USN By ... U.S. Ship *Plymouth* October 1853." Manuscript chart showing shorelines, names of smaller islands, and soundings. Approx. 1 1/2 inches to 1 nautical mile. (Filed as 272.42, #59a)

149. BONIN ISLANDS. 1854. 1 item.
Two ink drawings by artist Edward M. Kern prepared on one sheet for publication—views from South Head showing the landscape and three sailors. Source: U.S. North Pacific Surveying Expedition. (Filed as 272.42, #64)

150. BONIN ISLANDS. 1854. 2 items.
Ink drawings—a preliminary drawing and a version prepared for publication—by artist Edward M. Kern: two landscape views (on each sheet) from West Pap on Peel Island (Chichi Jima). Angles to establish the locations of points viewed were measured by John M. Brooke. Source: U.S. North Pacific Surveying Expedition. (Filed as 272.42, #63 and #65)

151. BONIN ISLANDS. 1854. 1 item.
Ink drawing, by Purser William Brenton Boggs, USN, showing view from Monroe's Peak. Source: U.S. North Pacific Surveying Expedition. (Filed as 272.42, #62)

152. ROSARIO OR DISAPPOINTMENT ISLAND (NISHINO SHIMA), BONIN ISLANDS. 1854. 1 item.
"U.S. North Pacific Surveying Expedition Lieut. John Rodgers U.S.N. Commdng. Original Working Sheet No. 2. Reconnaissance of Rosario or Disappointment Island by the U.S. Ship *Vincennes* October 1854." Manuscript chart, apparently reduced from an original worksheet, showing track of ship, points of views, a small chart of the island, and descriptive notes. Insets: four landscape views of the island at various distances, apparently by artist Edward M. Kern. 1 inch to approx. 1/2 nautical mile. (Filed as 272.42, #53)

153. LOT'S WIFE (SOFU GAN), BORODINO ISLANDS (OHIGASHI JIMA), AND ROSARIO OR DISAPPOINTMENT ISLAND (NISHINO SHIMA). 1854. 1 item.
Composite of three manuscript charts (on one sheet, reduced for engraving) plotted by E. R. Knorr. It contains descriptive notes and landscape views of each island by artist Edward M. Kern. Scales vary. Source: U.S. North Pacific Surveying Expedition. (Filed as 272.42, #54)

154. LOT'S WIFE (SOFU GAN). 1854. 1 item.
"U.S. North Pacific Surveying Expedition, Lieut. John Rodgers, Commanding. Views of Lot's Wife, taken from Meares voyage and from the sketchbook of the U.S. Ship *Vincennes,* November 1854." Three views by artist Edward M. Kern and chart showing the ship's track. Kern's name does not appear but is mentioned on a reduced version of the chart (see entry 153). Included are descriptive notes about previous sightings and about naming and positioning of the island. 1 inch to approx. 1 nautical mile. (Filed as 272.42, #55)

155. LOT'S WIFE (SOFU GAN). 1880. 1 item.
Manuscript chart of island and adjacent "line of confused rip." 1 inch to 200 feet. Source: U.S.S. *Alert.* (Filed as 173.2, #10)

156. COVE ON PONAFIDIN ISLAND (TORI SHIMA). 1880. 1 item.
Sketch chart of cove on northeast side of island. Large scale. Source: U.S.S. *Alert.* (Filed as 173.2, #9)

157. PONAFIDIN ISLAND (TORI SHIMA). 1880. 1 item.
Five pencil landscape views of the island on one sheet. Source: U.S.S. *Alert.* (Filed as 173.2, #12)

158. SMITH'S ISLAND (SUMISU JIMA). 1880. 1 item.
Five pencil landscape views of the island on one sheet. Source: U.S.S. *Alert.* (Filed as 173.2, #11)

159. BAYONNAISE ISLAND (BEYONEISU RETSUGAN). 1880. 1 item.
Five pencil landscape views of the island on one sheet. Source: U.S.S. *Alert.* (Filed as 173.2, #14)

Caroline Islands

160. CAROLINE ISLANDS. 1828. 19 items.
Tracings (undated, and no source given) of 23 large-scale charts, based on surveys of the French corvette *Seniavine* in 1828, showing topography, settlements, and hydrographic features; some showing the tracks of the *Seniavine.* They are arranged as follows (sometimes two on one sheet):

1. Carte Generale de L'Archipel Des Carolines
2. Carte du Groupe de Brown
3. Plan de L'Ile Ualan (Kusaie Island)
4. Plan du Havre de la Coquille (Ile Ualan)
5. Carte des Iles Seniavine
6. Plan du Groupe Ngaryk
7. Carte des Iles Mortlock
8. Plan du Port Chamisso, Groupe de Lougounor
9. Plan de l'Entree Du Port Chamisso
10 and 21. Plan Du Groupe Namolouk and Plan Du Groupe Eourypygue
11. Carte Des Groupes Mourilleu et Namolipiafane
12. and 22. Plan De L'Ile Feys and Plan De L'Ile Fayeou Orientale
13. Carte du Groupe Namonouyto
14. and 15. Plan de L'Ile Fayeou Occid.; Plan de L'Ile Pyguella
16. Plan Des Groupes Namourrek et Elato
17. and 18. Plan du Groupe Olimarao and Plan du Groupe Farroilep
19. Plan Du Groupe Ifalouk
20. Plan Du Groupe Oulleay
23. Carte Du Groupe Ouluthy

(Filed as 272.21)

161. CHABROL HARBOR, KUSAIE (UALAN) ISLAND. 1891. 1 item.
Rough sheet from a hydrographic examination, containing a few notes on vegetation cover and the note "For topographic and other details see charts No. 977 and 978 B[ritish] A[dmiralty]." Approx. 10 inches to 1 nautical mile. Source: U.S.S. *Alliance.* (Filed as 173.49)

162. PORT LOTTIN, KUSAIE (UALAN) ISLAND. 1900. 1 item.
Tracing of survey chart showing harbor soundings, topography, and dwellings. Approx. 14 inches to 1 nautical mile. Source: U.S. Fish Commission steamer *Albatross.* (Filed as 4122.5, #6)

163. JAMESTOWN HARBOR, PONAPE (ASCENSION) ISLAND. 1870. 1 item.
Manuscript plan of harbor showing soundings, an anchorage, and topography. 1 inch to approx. 500 feet. Source: U.S.S. *Jamestown.* (Filed as 272.26)

164. JAMESTOWN HARBOR, PONAPE (ASCENSION) ISLAND. 1887. 2 items.
Two tracings of a Spanish chart: one in Spanish, "Santiago de la Ascension," and one in English, "Jamestown Harbor." Both show soundings and the shoreline. 1:13,000. Source: U.S.S. *Essex.* (Filed as 373.10, #3 and #6)

165. JAMESTOWN HARBOR, PONAPE (ASCENSION) ISLAND. 1887. 1 item.
Published chart of Jamestown Harbor (H.O. chart No. 309, based on the 1870 survey by the U.S.S. *Jamestown*), annotated to show how channels could be torpedoed (mined). 10 inches to 1 nautical mile. Source: U.S.S. *Essex.* (Filed as 373.10, #1)

166. JAMESTOWN SETTLEMENT, PONAPE (ASCENSION) ISLAND. 1887. 1 item.
Rough plan of settlement at Jamestown Harbor showing buildings and streets. Large scale. Source: U.S.S. *Essex.* (Filed as 373.10, #7)

167. PONAPE (ASCENSION) ISLAND. 1887. 1 item.
Tracing of Hydrographic Office chart No. 425, annotated with additional information, including the following: anchorages of the mission ship *Morning Star,* the *Essex,* and Spanish vessels; a citadel, a blockhouse,

and ruins; site of Spanish settlement and camp; and notes on provisions. Scale is not given. Source: U.S.S. *Essex.* (Filed as 373.10)

168. JOCKOITS ISLET, PONAPE (ASCENSION) ISLAND. 1887. 2 items.
Two small tracings of Jockoits, part of the Ponape atoll, with profiles. Scale is not shown. Source: U.S.S. *Essex.* (Filed as 373.10, #4 and #5)

169. SOROL ATOLL (PHILLIP ISLAND). 1898. 1 item.
Tracing of a Spanish chart showing topography and dwellings. An attached note reads "Sorro or Philip Island .... This tracing was found in the house of Admiral Montejo at Manila by Gen. Greene, U.S.V., and by him brought to the Navy Department in September, 1898." Approx. 2 inches to 1 nautical mile. (Filed as 1113.10)

170. YAP ISLAND. 1872. 1 item.
Rough pencil sketch chart of the island, submitted by the captain of the schooner *Quickstep,* showing the harbor, a reef, and topography. Scale is not shown. (Filed as 443.19, #2)

171. TOMIL HARBOR, YAP ISLAND. 1885. 1 item.
"Ligero croquis del puerto de Tomil ...." Tracing of a Spanish chart, received from the U.S.S. *Ossipee,* showing harbor soundings, fish "corrals," and some topographic features. 1:7,500. (Filed as 463.25, #1)

172. TOMIL HARBOR, YAP ISLAND. 1905. 1 item.
Tracing of German Admiralty chart No. 109, accompanying a 1905 report on Yap Island by the U.S.S. *Supply* and showing the shoreline and (in red ink) underwater telegraph-cable connections to Shanghai, Manado, and Guam. Scale is not shown. (Filed as 463.25, #2)

Clipperton Island

172a. CLIPPERTON ISLAND. 1893. 1 item.
Manuscript chart (on tracing cloth), from a survey by Carl C. Jensen, showing the shoreline and landmarks and including descriptive remarks. A note by George Davidson indicates that the tracing was made for the U.S. Coast and Geodetic Survey. 1 inch to 500 feet. (Filed as 153.20)

173. CLIPPERTON ISLAND. 1897. 1 item.
Tracing of the island by the captain of the schooner *Anna,* forwarded by the Branch Hydrographic Office at San Francisco. Contains descriptive notes and sailing directions. 1 inch to 500 feet. (Filed as 153.20)

174. CLIPPERTON ISLAND. 1897. 2 items.
Manuscript chart from survey by Captain Hennig, mariner. The legend contains a verbal description of the island, birds, and a trestle for the American flag. Second sheet shows the triangulation scheme used in survey. Approx. 12 inches to 1 nautical mile. (Filed as 2101.25)

Easter Island

175. EASTER ISLAND. 1886. 1 item.
Tracing of British Admiralty chart No. 1386, with additions by the U.S.S. *Mohican,* showing place-names, settlements, and topography. 1 inch to 1 nautical mile. (Filed as 373.6)

Ellice Islands

176. NANUMANGA (NANOMANA OR HUDSON) ISLAND. 1841. 1 item.
"Island Lat. 6°19′30″ S. Long. 176°23′15″ E.... Discovered by the U.S. Explg. Expden. [Wilkes exploring expedition] March 1841. Scale two inches to the mile." Manuscript chart of unnamed island, apparently Nanumanga Island, showing tracks and survey positions of the U.S.S. *Peacock,* a schooner, and a boat; a village; and the

notation "Thickly covered with coconut trees." Additional penciled notations, including note "1/2 inch to mile," probably refer to later engraving work. (Filed as 272.24, #16)

177. NUKUFETAU (DE PEYSTERS) ISLAND. 1841. 1 item.
"De Peysters Island . . . U.S. Explg. Expdn. [Wilkes exploring expedition] March 18 1841. Scale one inch to the mile." Manuscript chart showing villages and a note on depth and bottom sediment at entrance to atoll. Additional penciled notations, including note "1/2 inch to the mile," probably refer to later engraving work. (Filed as 272.24, #20)

178. FUNAFUTI (ELLICE) ISLAND. 1841. 1 item.
"Funafuti or Ellices Island . . . U.S. Explg. Expdn. [Wilkes exploring expedition] March 1841. Scale one inch to the mile." Manuscript chart showing islands, an "apparent passage," and tracks and positions of the U.S.S. *Peacock* and a schooner while surveying. Penciled notations probably refer to later engraving work. (Filed as 272.24, #4)

Gilbert Islands

179. GILBERT ISLANDS. 1893. 2 items.
Published charts of Tarawa, Nonouti, and Makin Islands (H.O. charts No. 121 and 123, dated 1890-92), annotated in 1893 by the American bark *Helen W. Almy* to show corrections, including changes in placenames. Scales vary. (Filed as 373.59, #1 and #2)

180. GILBERT ISLANDS. 1904. 1 item.
Published chart of the Gilbert Islands (H.O. chart No. 119, dated 1894), annotated with corrections by Capt. J. Hays of the brig *Galilee.* 1 inch to 10 nautical miles. (Filed as 552.48)

181. NUKUNAU (NIKUNAU OR BYRON) ISLAND AND BERU (PERU) ISLAND. 1872. 1 item.
"Byron Island" and "Peru Island," two manuscript charts on one sheet showing vegetation cover and dwellings and the penciled notation "Published as Hydrographic Office Chart No. 497." 1 inch to 1 nautical mile. Source: U.S.S. *Narragansett.* (Filed as 173.14, #4)

182. PEACOCK'S ANCHORAGE, TABITEUEA (DRUMMOND) ISLAND. 1841. 1 item.
"Peacocks Anchorage at Drummond Island U.S. Explg. Expdn. [Wilkes exploring expedition] April 1841." Manuscript chart showing the anchorage of the U.S.S. *Peacock,* soundings, bottom sediment types, two villages, and the note "Thickly covered with Cocoa nut trees." Additional penciled notations probably refer to later engraving work. Large scale. (Filed as 272.24, #9)

183. TABITEUEA (DRUMMOND) ISLAND. 1893. 1 item.
Published chart of "Taputouea" or "Drummond's" Island (H.O. chart No. 120, based originally on the Wilkes exploring expedition survey and corrected to 1889), annotated with information on anchorages by Capt. W. H. Ferguson, "returned from the South Sea Islands." 1 inch to 2 nautical miles. (Filed as 271.18)

184. NONOUTI ATOLL. 1841. 1 item.
"Nonouti, Bishop or Sydenham's Island . . . U.S. Explg. Expdn. [Wilkes exploring expedition] April 1841. Scale one inch to the mile." Manuscript chart showing a village, fishing huts, and tracks and positions of the U.S.S. *Peacock* while surveying. Penciled notations, including "Reduced & drawn L. K." and "1/2 inch to the mile," probably refer to later engraving work. (Filed as 272.24, #23)

185. ABEMAMA ATOLL. 1841. 1 item.
"Apamama or Hoppers Island . . . U.S. Explg. Expdn. [Wilkes exploring expedition] April 1841. Scale one inch to the mile." Manuscript chart showing islands, soundings, and the ship's track. Penciled notations, including "1/2 inch to the mile," probably refer to later engraving work. (Filed as 272.24, #7)

186. ARANUKA ATOLL. 1841. 1 item.
"Nanouki or Henderville Island . . . U.S. Explg. Expdn. [Wilkes exploring expedition] April 1841. Scale one inch to the

mile." Manuscript plan of the atoll showing tracks and positions of the U.S.S. *Peacock*, a schooner, and a boat while surveying. Penciled notations probably refer to later engraving work. (Filed as 272.24, #15)

187. KURIA ISLAND. 1841. 1 item.
"Kuria or Woodle's Island . . . U.S. Explg. Expdn. [Wilkes exploring expedition] April 1841. Scale one inch to the mile." Manuscript chart showing islands, a boat landing, and tracks of the ship while surveying. Penciled notations probably refer to later engraving work. (Filed as 272.24, #12)

188. ABAIANG (APAIANG) ATOLL. 1841. 1 item.
"Apia or Charlotte Island . . . U.S. Explg. Expdn. [Wilkes exploring expedition] April 1841. Scale one inch to the mile." Manuscript chart showing islands, the place where "the *Flying Fish* struck . . .," and tracks of the U.S.S. *Peacock* and a schooner while surveying. Penciled notations probably refer to later engraving work. (Filed as 272.24, #1)

189. ABAIANG (APAIANG) ATOLL. 1872. 1 item.
"Apaiang or Charlotte Island Kingsmill Group By The U.S. Ex. Ex. 1841. Corrections and Additions By the U.S.S. *Narragansett.* Commander R. W. Meade 1872." Manuscript chart showing vegetation, dwellings, a mission station, passes, and other information. 1 inch to 2 nautical miles. (Filed as 173.14, #2)

190. MARAKE ATOLL. 1841. 1 item.
"Maraki or Matthews Island . . . U.S. Explg. Expdn. [Wilkes exploring expedition] April 1841. Scale one inch to the mile." Manuscript chart showing the island, a lagoon, and tracks of the ship while surveying. Penciled notations probably refer to later engraving work. (Filed as 272.24, #13)

Guam

(See also Mariana Islands, entries 349 and 350.)

191. GUAM. 1819. 1 item.
"Carta general de la Isla Guajan levantado por M. Duperrey a bordo de la Urania. 1819." Tracing, in Spanish, apparently based on surveys by Louis Isidor Duperrey of the French vessel *Uranie* and annotated with the date 1850. Attached note reads, "These tracings were found in the house of Admiral Montejo at Manila by Gen. Greene, U.S.V., and by him brought to the Navy Department in September, 1898." The chart shows soundings, coastal topography, and place-names. Interior of island is not mapped. 1 inch to approx. 1 1/4 nautical miles. (Filed as 1113.11, #3)

192. GUAM. 1901. 2 items.
"Island of Guam. H. W. Carpenter, Captain U.S.M.C." Manuscript map on tracing cloth and duplicate blueprint. Shown are topography, rivers, roads, settlements, place-names, and harbor anchorages. 1 inch to approx. 2 1/2 kilometers. (Filed as 3122.20, #1 and #2)

193. GUAM. 1901-3. 20 items.
Preliminary worksheets from topographic survey by Civil Engineer Leonard Cox, USN—rough triangulation diagram, plane-table and traverse sheets from various parts of the island, and incomplete map of the Agana Water Works from the 1902 annual report of the Chief of Public Works. Scales vary. (Filed as 162.11, #19 and #22-#40)

194. GUAM. 1901-3. 2 items.
"Progress Map Topographical Survey, Island of Guam. Made Under Direction of Leonard M. Cox C. E. U.S.N." Manuscript map and tracing. The original manuscript map, item #20, also contains an attached list of place-name corrections. Both maps show topography, settlements, cart roads, rice paddies, and offshore reefs. A note indicates that names are given in "Chamorra" spelling. 1 inch to 3,000 feet. (Filed as 162.11, #18 and #20)

195. AGANA, TUMHUN, AND PAGO BAYS, GUAM. 1902. 1 item.

"Progress Map of Topographical Survey Under Direction of Chief of Public Works of the Island Showing Progress of Work to June 30th 1902." Map on tracing paper, filed with materials from a topographic survey of Guam by Civil Engineer Leonard Cox, USN. Coverage is limited to Agana, Tumhun, and Pago Bays. 1 inch to 1,000 feet. (Filed as 162.11, #21)

196. GALVEZ BANK, SOUTHWEST OF GUAM. 1901. 1 item.
Rough chart showing soundings to locate Galvez Bank. 1 inch to 2 nautical miles. Source: U.S.S. *Brutus.* (Filed as 3122.25)

197. SHOALS NEAR GUAM. 1903. 2 items.
Two manuscript charts showing deep-sea soundings taken in a search for shoals south and west of Guam. Large scale. Source: U.S.S. *Supply.* (Filed as 582.47)

SAN LUIS D'APRA HARBOR

198. SAN LUIS D'APRA HARBOR. 1819. 1 item.
"Plan del Puerto de Sn. Luis de Apra . . . levantado por Duperrey a bordo de la Urania en 1819." Tracing, in Spanish, apparently based on surveys by Louis Isidor Duperrey of the French vessel *Uranie* and annotated with the date 1850, showing harbor soundings, topography, buildings, and trails. Attached note reads, "These tracings were found in the house of Admiral Montejo at Manila by Gen. Greene, U.S.V., and by him brought to the Navy Department in September, 1898." Approx. 10 inches to 1 nautical mile. (Filed as 1113.11, #4)

199. SAN LUIS D'APRA HARBOR. 1898. 1 item.
"Guam or Guajan I. Port San Luis De Apra." Manuscript chart on tracing cloth, submitted as part of a hydrographic report, showing hydrography, topography, and place-names. It is marked in red to show also additional soundings and the anchorages of the ships *Australia, Charleston, City of Pekin,* and *City of Sydney.* 8 inches to 1 nautical mile. Source: U.S.S. *Charleston.* (Filed as 1112.21)

200. SAN LUIS D'APRA HARBOR. 1899. 4 items.
Four worksheets of similar format—"shoreline sheet" showing topographic features, dwellings, and streets; rough hydrographic sheet showing soundings; composite blueprint chart showing both topographic and hydrographic features; and composite tracing similar to the blueprint. 1:10,000. Source: U.S.S. *Yosemite.* (Filed as 4113.46, #1-#3a)

201. SAN LUIS D'APRA HARBOR. 1899. 1 item.
Progress sheet showing initial triangulation and depth soundings. Scale is not given. Source: U.S.S. *Bennington.* (Filed as 3111.27)

202. SAN LUIS D'APRA HARBOR. 1901. 4 items.
Rough boat sheets of the harbor and of parts of the harbor, showing depth soundings. Sheet #36 also shows a few sugar, tobacco, and banana fields along the eastern shore of the harbor. Scales vary. Source: Guam Survey Board. (Filed as 4121.16, #34-#37)

203. SAN LUIS D'APRA (WESTERN PART). 1901. 1 item.
Rough topographic sheet, in pencil, covering western part of harbor area, including the Orote Peninsula and inner harbor, and showing relief, a rough indication of the proposed naval reservation and townsite, and original traverse stations from survey. 1:5,000. Source: Guam Survey Board. (Filed as 4121.16, #20)

204. SAN LUIS D'APRA TOWNSITE AND NAVAL RESERVATION. 1901. 1 item.
Large-scale topographic sheet, reworked in ink, showing individual buildings, a street plan, Soumaye Village, relief, and vegetation cover. 1 inch to 200 feet. Source: Guam Survey Board. (Filed as 4121.16, #23)

205. SAN LUIS D'APRA HARBOR (SOUTH SHORE TOPOGRAPHY). 1901. 1 item.
Rough topographic sheet showing relief and triangulation stations. 1:5,000. Source: Guam Survey Board. (Filed as 4121.16, #24)

206. SAN LUIS D'APRA HARBOR (EAST SHORE TOPOGRAPHY). 1901. 1 item.
Rough topographic sheet of the east shore showing relief, cultivated fields, and triangulation data used in survey. Scale is not given. Source: Guam Survey Board. (Filed as 4121.16, #33)

207. VILLAGE OF SOUMAYE, SAN LUIS D'APRA. 1901. 2 items.
Rough topographic sheet and smaller worksheet covering Soumaye Village and surrounding area and showing relief, buildings, roads, and triangulation data used in survey. 1 inch to 200 feet. Source: Guam Survey Board. (Filed as 4121.16, #22 and #22a)

208. VILLAGE OF PITI, SAN LUIS D'APRA. 1901. 1 item.
Rough topographic sheet showing buildings in "Pite," located northeast of the harbor. 1:1,200. Source: Guam Survey Board. (Filed as 4121.16, #40)

209. COAST NORTHEAST OF SAN LUIS D'APRA, PITI TO AGANA. 1901. 1 item.
Topographic sheet showing shoreline features, relief, a road from Piti to Agana, and buildings. 1:10,000. Source: Guam Survey Board. (Filed as 4121.16, #32)

210. FORT SANTA CRUZ, SAN LUIS D'APRA HARBOR. 1901. 1 item.
Large-scale plan of "partial ruin" of Fort Santa Cruz, located on island in harbor. 1 inch to 20 feet. Source: Guam Survey Board. (Filed as 4121.16, #26)

211. FORT SANTIAGO VICINITY, SAN LUIS D'APRA HARBOR. 1901. 1 item.
Large-scale topographic plan showing location of fort ruins and the road to Soumaye. The fort is located on the north coast of Orote Peninsula. 1 inch to 50 feet. Source: Guam Survey Board. (Filed as 4121.16, #41)

212. ANTANTANO VALLEY, SAN LUIS D'APRA. 1901. 1 item.
Rough topographic sheet covering upper Antantano and Paulana vicinity and showing relief and triangulation data from survey. 1:5,000. Source: Guam Survey Board. (Filed as 4121.16, #31)

213. MASSO RIVER AND RESERVOIR, SAN LUIS D'APRA. 1901. 4 items.
Rough topographic sheets showing relief, a road, the centerline of the dam, and triangulation data used in survey. Large scale. Source: Guam Survey Board. (Filed as 4121.16, #27-#27b and #30)

214. OROTE POINT LIGHTHOUSE SITE, SAN LUIS D'APRA. 1901. 1 item.
Large-scale topographic plan. 1 inch to 50 feet. Source: Guam Survey Board. (Filed as 4121.16, #39)

215. CABRAS ISLAND, SAN LUIS D'APRA HARBOR. 1901. 4 items.
Manuscript map of Cabras Island and adjacent land areas showing proposed naval station buildings, topography, roads, bridges, huts, and cultivated fields; a rough topographic sheet of the southern part of the island showing ruins of a storehouse and marine railway; and topographic sheets of the east and west ends of the island showing triangulation data used in survey. Large scale. Source: Guam Survey Board. (Filed as 4121.16, #21, #28, #29, and #38)

216. "LUZ" SURVEY STATION, SAN LUIS D'APRA. 1901. 1 item.
Worksheet. 1 inch to 50 feet. Source: Guam Survey Board. (Filed as 4121.16, #25)

217. SAN LUIS D'APRA HARBOR. 1901. 1 item.
Smooth survey sheet of harbor and surrounding territory showing hydrographic and topographic features, including roads, buildings, ruins of Fort Santa Cruz and Fort Santiago, and cultivated fields. 1:10,000. Source: Guam Survey Board. (Filed as 4121.16, #41)

218. SAN LUIS D'APRA. 1901. 1 item.
Photocopy of a chart of San Luis D'Apra and surrounding territory, overprinted with information about a proposed military reservation, a townsite, a naval reservation,

and Paulana Reservoir and pipeline. The base map shows hydrographic and topographic features as they existed before the development of the military base. 1:10,000. Source: Guam Survey Board. (Filed as 4121.16, #41a)

219. SAN LUIS D'APRA HARBOR. 1902-3. 1 item.
Published chart of San Luis D'Apra Harbor (H.O. chart No. 1850, based on the 1901 survey by the Guam Survey Board and published in 1902), annotated in red ink to show proposed harbor improvements, "Port Warden's Lines," a townsite, and Paulana Reservoir and pipeline and received in the archives of the Hydrographic Office in 1903. The base chart shows hydrographic and topographic features as they existed before the development of the town and naval base. 1 inch to approx. 275 yards. No source is given. (Filed as 581.38)

220. SAN LUIS D'APRA HARBOR. 1904. 1 item.
Published chart of San Luis D'Apra Harbor (H.O. chart No. 1850, based on the 1901 survey by the Guam Survey Board and published in 1902), annotated to show beacons and directions for entering the harbor. 1 inch to approx. 275 yards. Source: U.S.S. *Supply*. (Filed as 171.50)

221. SAN LUIS D'APRA HARBOR. 1905. 1 item.
Blueprint chart of part of the harbor on the north coast of Orote Peninsula showing submarine telegraph cables and proposed cables from the period 1903-5 and a telegraph station at Soumaye. The chart was submitted as part of a report by the U.S.S. *Supply* concerning the laying of the Dutch-German cable from Yap to Guam. Large scale. (Filed as 383.23)

OTHER HARBORS

222. TAROFOFO BAY. 1819. 1 item.
"Plano de Tarofofo en la Isla de Guajam levantado por Duperrey a bordo de la *Urania* 1819." Tracing, in Spanish, apparently based on surveys by Louis Isidor Duperrey of the French vessel *Uranie* and annotated with the date 1850. Attached note reads, "These tracings were found in the house of Admiral Montejo at Manila by Gen. Greene, U.S.V., and by him brought to the Navy Department in September, 1898." The tracing shows hydrographic and topographic information. 1 inch to approx. 75 meters. (Filed as 1113.11, #3)

223. UMATA HARBOR. 1819. 1 item.
"Plano de la Bahia de Umata en la Isla de Guajam Levantado por Duperrey a bordo de la *Urania* en 1819." Tracing, in Spanish, apparently based on surveys by Louis Isidor Duperrey of the French vessel *Uranie* and annotated with the date 1850. Attached sheet reads, "These tracings were found in the house of Admiral Montejo at Manila by Gen. Greene, U.S.V., and by him brought to the Navy Department in September, 1898." The tracing shows hydrographic and topographic features, including buildings, forts, and roads. 1 inch to 70 meters. (Filed as 1113.11, #2)

Hawaiian Islands

224. WESTERN HAWAIIAN ISLANDS. Ca. 1866. 1 item.
"North Pacific Islands." Manuscript version of Hydrographic Office chart No. 2, which covers only the western Hawaiian Islands, consisting of seven charts on one sheet: a general chart of the islands at reduced scale and individual plans of Laysan Island, Necker Island, Bird (Nihoa) Island, French Frigate Shoals, Maro Reef, and Gardner (Gardiner) Island. The charts are based on examinations by J. M. Brooke during his 1859 expedition to the Pacific, to China, and to Japan. This composite was apparently constructed ca. 1866, when the Hydrographic Office became a separate agency and began its numbered series of charts. Landscape views are included for some of the islands. Chart projection was drawn by E. R. Knorr. Scales vary. Source: U.S.S. *Fenimore Cooper*. (Filed as 272.23, #2)

225. HAWAIIAN ISLANDS. 1876. 1 item (4 sections).
"Map of the Hawaiian Islands Compiled

from various Surveys by W. D. Alexander Superintendent of the Hawaiian Government Survey, C. J. Lyons and M. D. Monsarrat, Assistants. Drawn by H. Giles, Honolulu, For The American Centennial Exhibition 1876 . . . J. L. Smith, Map Publisher . . . Philadelphia." Printed map, annotated in pencil "Compare the tracings sent by Prof. Alexander to the Hydro. Office, which show the progress of the survey to 1879, changing this chart in some parts considerably," and showing topography, settlements (including "Mormon Settlement" on Oahu), roads, political jurisdictions, and lava flows. An inset shows plans of the three great Hawaiian volcanic craters. 1:360,000. (Filed as 173.35, #17a-#17d)

226. OAHU, MOLOKAI, MAUI, LANAI, AND KAHOOLAWE ISLANDS. 1879. 1 item.
Tracing of a Hawaiian Government Survey map, forwarded by C. J. Lyons, showing topography and place-names. 1:360,000. (Filed as 173.35, #10)

227. HAWAII, NIIHAU, AND KAUAI ISLANDS. 1879. 1 item.
Tracing of a Hawaiian Government Survey map, forwarded by C. J. Lyons, showing topography and place-names. 1:360,000. (Filed as 173.35, #12)

228. MOLOKAI, LANAI, AND MAUI ISLANDS. 1880. 1 item.
Manuscript map, forwarded by C. J. Lyons, showing the progress of the Hawaiian Government Survey to March 1, 1880. Included are topography and place-names. 1:360,000. (Filed as 173.35, #8)

229. HAWAIIAN ISLANDS. 1880. 5 items.
Manuscript triangulation diagrams of parts of the Hawaiian Islands, forwarded with correspondence of C. J. Lyons of the Hawaiian Government Survey. Scales vary. (Filed as 173.35, #7 and #13-#16)

230. OAHU (KAIWI) CHANNEL, HAWAII (ALENUIHAHA) CHANNEL, AND MOLOKAI (PAILOLO) CHANNEL. 1884. 3 items.
Tracings of deep-sea soundings taken by an unidentified source (perhaps Hawaiian Cable Co.). Scale of Oahu and Molokai Channel tracings, 1:60,000; scale of Hawaii Channel tracing, 1:120,000. (Filed as 273.24, #1-#3)

231. HAWAIIAN WATERS. 1902. 19 items.
Blueprint copies of manuscript tracings showing sounding work. The records indicate that the original tracings were forwarded to the U.S. Fish Commission. Scales vary. Source: U.S. Fish Commission steamer *Albatross.* (Filed as 133.15, #19-#31, #33-#35, and #37-#39)

232. HAWAIIAN WATERS. 1908. 1 item.
Published Coast Survey Chart No. 4100 of the Hawaiian Islands, annotated with a verbal and graphic report on currents by Capt. W. A. Christianson of the ship *Irmgard.* 1:600,000. (Filed as 533.17; formerly filed as 5616/1132)

HAWAII ISLAND

233. KILAUEA VOLCANO AND VOLCANIC LAVA FLOWS ON HAWAII. 1822-68. 3 items.
Maps forwarded by Commodore L. C. Stanton in 1894—manuscript map of the Kilauea Volcano, drawn by C. S. Lyman[?] in 1846, showing local roads and houses (2 1/4 inches to 1 mile), and two undated manuscript maps of the island of Hawaii showing in color the volcanic eruptions of 1822, 1840, 1852, 1855, 1859, and 1868 and the lava flows of 1840, 1852, 1855-56, and 1859 (1 inch to 6 miles). (Filed as 373.51, #1-#3)

234. ISLAND OF HAWAII. 1886. 1 item.
"Hawaiian Government Survey. W. D. Alexander Surveyor-General. Map of the Island of Hawaii, Hawaiian Islands . . . . Map by W. E. Wall . . . 1886. Preliminary Edition. Kau and Puna Surveys not Completed." Printed map showing topography, settlements, place-names, roads, plantations, a sheep station, mills, harbors, and landings. 1:240,000. (Filed as 373.54, #2)

235. HILO HARBOR, NORTHEAST COAST OF HAWAII. 1856. 1 item.
"U.S. North Pacific Surveying Expedition, Comdr. John Rodgers, U.S.N., Comdg. Harbor of Hilo or Waiakea. Island of Hawaii (Sandwich Island Group) By the U.S. Ship *Vincennes.* 1856." Manuscript chart showing hydrography, coastal topography, buildings, roads, cultivated fields, and a fishpond. Scale is not given but is approximately 1:20,000. (Filed as 272.42, #66)

236. HILO BAY, NORTHEAST COAST OF HAWAII. 1884. 1 item.
Printed chart by the Hawaiian Government Survey showing hydrography and coastal topography, including settlements and sugar mills. 1:20,000. (Filed as 373.54, #1)

237. HILO BAY, NORTHEAST COAST OF HAWAII. 1884. 1 item.
Chart, copied from a Hawaiian Government Survey chart and received from the U.S.S. *Charleston* in 1890, showing hydrography and coastal topography, including settlements and sugar mills. 1:20,000. (Filed as 271.7, #16)

238. HILO BAY, NORTHEAST COAST OF HAWAII. 1888. 1 item.
Hawaiian Government Survey chart (published 1882), annotated with notes relating to soundings and lighthouse visibility. The base chart shows hydrography and coastal topography, including settlements and sugar mills. 1:20,000. Source: U.S.S. *Vandalia.* (Filed as 373.16, #1)

239. HILO BAY, NORTHEAST COAST OF HAWAII. 1888. 1 item.
Tracing of Hawaiian Government Survey and Hydrographic Office chart showing the shoreline and sailing directions. Source: U.S.S. *Vandalia.* 1:20,000. (Filed as 373.16, #2)

240. HILO BAY, NORTHEAST COAST OF HAWAII. 1898. 1 item.
Published chart of Hilo Bay (H.O. chart No. 1096, dated 1895), annotated with corrections. Approx. 4 inches to 1 nautical mile. Source: U.S.S. *Bennington.* (Filed as 2111.48)

241. KEALAKEKUA BAY, SOUTHWEST COAST OF HAWAII. 1883. 1 item.
Tracing of a Hawaiian Government Survey chart, received from the U.S.S. *Charleston* in 1890, showing hydrography, buildings, ruins, roads, coconut groves, and the site of Captain Cook's death (village of Napoopoo). 1 inch to 500 feet. (Filed as 271.7, #25)

242. KEAUHOU BAY, WEST COAST OF HAWAII. 1885. 1 item.
Tracing of a Hawaiian Government Survey chart, received from the U.S.S. *Charleston* in 1890, showing hydrography, topography, and buildings. 1 inch to 200 feet. (Filed as 271.7, #18)

243. KAILUA BAY, WEST COAST OF HAWAII. 1883. 1 item.
Tracing of a Hawaiian Government Survey chart, received from the U.S.S. *Charleston* in 1890, showing hydrography, topography, and buildings. 1 inch to 500 feet. (Filed as 271.7, #1)

244. KAWAIHAE BAY, NORTHWEST COAST OF HAWAII. 1883. 1 item.
Tracing of a Hawaiian Government Survey chart, received from the U.S.S. *Charleston* in 1890, showing hydrography, topography, buildings, and cultivated fields. 1 inch to 500 feet. (Filed as 271.7, #17)

MAUI ISLAND

245. LAHAINA DISTRICT, WESTERN MAUI. 1883. 1 item.
Tracing of a Hawaiian Government Survey chart, received from the U.S.S. *Charleston* in 1890, showing topography, buildings, and roads. 1 inch to 1,000 feet. (Filed as 271.7, #23)

246. MAUI ISLAND. 1899. 1 item.
Hawaiian Government Survey map (published 1885), annotated by Capt. F. K. Dedrick of the schooner *Defender* to show buildings, the wharf of the newly created Kihei Landing on the southwest coast, and other information. An attached letter relates to sugar export from Kihei Landing.

The base map shows topography, settlements, place-names, and land grants or political jurisdictions. 1:60,000. (Filed as 273.38)

247. KAHULUI HARBOR, NORTH COAST OF MAUI. 1881. 1 item.
Tracing of harbor and town by Lt. G.E.G. Jackson, R.N. (retired), received in the Hydrographic Office archives in 1886, showing hydrography and topography. 1 inch to 250 feet. (Filed as 273.15)

248. KAHULUI HARBOR, NORTH COAST OF MAUI. 1881. 1 item.
Tracing of a Hawaiian Government Survey chart, received from the U.S.S. *Charleston* in 1890, showing hydrography, topography, roads, and names of some residents. 1 inch to 250 feet. (Filed as 271.7, #13)

249. KAPUEOKAHI BAY, EAST COAST OF MAUI. 1882. 1 item.
Tracing of a Hawaiian Government Survey chart, received from the U.S.S. *Charleston* in 1890, showing hydrography, topography, buildings, roads, a "native church," and a burial ground. 1 inch to 200 feet. (Filed as 271.7, #26)

250. MAKENA BAY, SOUTHWEST COAST OF MAUI. 1885. 1 item.
Tracing of a Hawaiian Government Survey chart received from the U.S.S. *Charleston* in 1890, showing hydrography, topography, and buildings. 1 inch to 300 feet. (Filed as 271.7, #15)

251. MAALAEA BAY, SOUTHWEST COAST OF MAUI. 1905. 1 item.
Printed Coast and Geodetic Survey chart No. 4104 (dated 1901), annotated with information relating to triangulation work. Approx. 7 inches to 1 nautical mile. Source: U.S.S. *Iroquois.* (Filed as 281.28)

252. KAANAPALI VICINITY, NORTHWEST COAST OF MAUI. 1900. 1 item.
Smooth survey sheet showing a road and a railroad. Hydrography was based on the original survey; the shoreline and topography were based on an existing Hawaiian Government Survey chart. 1:4,000. Source: U.S.S. *Iroquois.* (Filed as 2122.5)

253. NAPILI BAY, NORTHWEST COAST OF MAUI. 1883. 1 item.
Tracing of a Hawaiian Government Survey chart, received from the U.S.S. *Charleston* in 1890, showing hydrography, topography, and cultivated fields. 1 inch to 200 feet. (Filed as 271.7, #14)

MOLOKINI ISLAND

254. MOLOKINI ISLAND. 1883. 1 item.
Tracing of a Hawaiian Government Survey map, received from the U.S. Fish Commission steamer *Albatross* in 1902, showing topography. 1:2,400. (Filed as 133.15, #6)

MOLOKAI ISLAND

255. WEST COAST OF MOLOKAI. 1884. 1 item.
Tracing of a Hawaiian Government Survey chart, received from the U.S.S. *Charleston* in 1890, showing hydrography, topography, a coastal road, scattered buildings, and a lighthouse. 1 inch to 1,000 feet. (Filed as 271.7, #20)

256. MOLOKAI. 1897. 1 item.
"Hawaiian Government Survey. W. D. Alexander Surveyor-General. Molokai . . . 1897." Printed map showing topography, place-names, settlements, political jurisdictions or land grants, rivers, coastal fishponds, and other information. 1:60,000. (Filed as 563.42, #2)

257. PUKOO HARBOR, SOUTHEAST COAST OF MOLOKAI. 1882. 1 item.
Tracing of a Hawaiian Government Survey chart, forwarded by C. J. Willis in 1897, showing hydrography, topography, buildings, cultivated fields, and roads. 1 inch to 200 feet. (Filed as 2102.5, #1)

258. KAMALO HARBOR, SOUTH COAST OF MOLOKAI. 1882. 1 item.
Tracing of a Hawaiian Government Survey chart, forwarded by C. J. Willis in 1897,

showing hydrography, topography, buildings, a sugar field and mill, and roads. 1 inch to 300 feet. (Filed as 2102.5, #2)

259. KAUNAKAKAI HARBOR, SOUTH COAST OF MOLOKAI. 1882. 2 items.
Two tracings of a Hawaiian Government Survey chart—one received from the U.S.S. *Charleston* in 1890, the second received from C. J. Willis in 1897—showing hydrography, mudflats, buildings, and a cattle pen. 1 inch to 200 feet. (Filed as 271.7, #19; 2102.5, #3)

OAHU ISLAND

260. OAHU, SOUTH COAST. 1874. 1 item.
Tracing of a Hawaiian Government Survey chart, received from the U.S.S. *Benicia*, showing the shoreline and mountain ranges. 1:60,000. (Filed as 173.35, #4)

261. OAHU, SOUTH COAST FROM DIAMOND HEAD TO PEARL HARBOR. 1875. 1 item.
Manuscript chart covering Waikiki, Honolulu Harbor, and the entrance to Pearl Harbor and showing hydrography; coastal landmarks, including buildings, prominent hills, and a leper asylum west of Honolulu; and notes on coral beds, bottom sediment, the weather, and the availability of ship pilots. 1 inch to approx. 1,800 feet. Source: U.S.S. *Pensacola.* (Filed as 173.32, #3)

262. OAHU, SOUTHERN PART. 1889. 1 item.
Published chart of the southern part of Oahu (H.O. chart No. 867, dated 1888), annotated with corrections by the U.S. consul in Honolulu and showing hydrography, topography, roads, and settlements. 1 inch to approx. 1 nautical mile. (Filed as 273.39)

263. WATERS OFF EAST END OF OAHU. 1891. 7 items.
Statistical sheets of deep-sea soundings from a survey by the U.S. Fish Commission steamer *Albatross.* (Filed as 173.58, #3)

264. OAHU, SOUTHERN PART. 1893. 1 item.
Tracing of a published chart of the southern part of Oahu (undated H.O. chart No. 867), annotated to "show a few corrections" relating to place-names. Included are hydrography, topography, roads, and settlements. 1 inch to approx. 1 nautical mile. Source: U.S.S. *Mohican.* (Filed as 271.16, #1)

265. OAHU, SOUTHERN PART. 1894. 3 items.
Items submitted by C. J. Lyons, assistant in charge of the Hawaiian Government Survey—published chart of the southern part of Oahu (H.O. chart No. 867, dated 1893), annotated to show the line of the Oahu Railroad to Ewa Plantation and other information; small chart of soundings off Barber's Point as recorded by H.M.S. *Nymphe;* and transmittal letter. The published base chart shows hydrography, topography, roads, and settlements. 1 inch to approx. 1 nautical mile. (Filed as 373.53)

266. OAHU. 1902. 1 item.
"Hawaii Territory Survey. Walter E. Wall Surveyor. Oahu Hawaiian Islands. Compiled, from all available data in the office and also from private surveys, by John M. Donn. 1902." Printed map showing topography, settlements, place-names, political jurisdictions or land grants, railroads, offshore coral reefs, harbors and landings, plantations, agricultural companies, homesteads, a military reservation, and reservoirs. 1 inch to 5,000 feet. (Filed as 563.42, #1)

267. SHOAL OFF BARBER'S POINT, OAHU. 1906-7. 1 item.
Blueprint chart showing soundings and shoal struck by the U.S. Army transport *Sheridan* in 1906. 1 inch to 400 feet. Source: U.S.S. *Iroquois.* (Filed as 582.23)

Honolulu

268. HONOLULU HARBOR. 1867. 1 item.
Manuscript survey chart, used as the basis for Hydrographic Office published chart

No. 6, showing hydrography and prominent landmarks, a "new wharf for China Mail steamers," a customhouse, a courthouse, and a prison. 1 inch to 500 feet. Source: U.S.S. *Lackawanna.* (Filed as 272.7, #1)

269. HONOLULU CITY AND HARBOR. Ca. 1868. 1 item.
Manuscript plan of Honolulu, in French and undated except for latitude information based on observations of 1868, forwarded by Commodore L. C. Stanton in 1894. It shows prominent landmarks, harbor soundings, and a mole project. 1 inch to approx. 100 meters. (Filed as 373.51, #4)

270. HONOLULU HARBOR. 1873. 1 item.
Manuscript chart of entrance and part of harbor showing hydrography, wharves, names of companies, boat landings, cattle landings, saltworks, and the Catholic Church of Honolulu used as a landmark for determining positions. 1:2,500. Source: U.S.S. *Portsmouth.* (Filed as 173.19, #1)

271. HONOLULU HARBOR. Ca. 1873. 1 item.
"Reduction of survey of U.S.S. *Portsmouth* to scale of survey of U.S.S. *Lackawanna.*" Tracing of the shoreline and soundings. 1 inch to 500 feet. (Filed as 272.7, #8)

272. HONOLULU HARBOR. 1875. 2 items.
Manuscript chart of harbor and entrance, including hydrography, prominent streets and buildings in the adjacent part of the city, notes on sailing directions, and a proposed target practice range on the west side of the harbor. Second sheet is a triangulation diagram used in the survey. 1 inch to 300 feet. Source: U.S.S. *Pensacola.* (Filed as 173.32, #1 and #2)

273. HONOLULU HARBOR. 1880. 1 item.
"Plan of Honolulu Harbour Surveyed by George E. G. Jackson, Navg. Lieut. R.N. (Retd). April 1880." Tracing of the original showing hydrography, the customhouse and other buildings, "Jackson's Observatory," and an area where mudflats were being reclaimed. Insets: line drawings of lighthouses. Large scale. (Filed as 173.35, #6)

274. HONOLULU OBSERVATORIES. Ca. 1880. 1 item.
Tracing, forwarded in 1880 by C. J. Lyons of the Hawaiian Government Survey, of plan of part of Honolulu, showing locations of several observatories, including the Transit of Venus observatory. Also shown are city streets and names of some landholders. The chart covers part of the city bounded by Kukui, Maunakea, and Punchbowl Streets and the waterfront. 1 inch to 200 feet. (Filed as 173.35, #3)

275. HONOLULU AND VICINITY. 1887. 1 item.
"Hawaiian Government Survey W. D. Alexander Surveyor-General. Honolulu and Vicinity. Map by W. E. Wall. 1887." Printed map showing streets, prominent buildings, harbor facilities, and the topography of adjacent mountains. 1:12,000. (Filed as 373.57)

276. BAR AT ENTRANCE TO HONOLULU HARBOR. 1888. 1 item.
Survey chart showing soundings and sailing directions. 1 inch to 600 feet. Source: U.S.S. *Vandalia.* (Filed as 373.13)

277. KAPUA ENTRANCE, WAIKIKI (CABLE SURVEY). 1891. 2 items.
Booklet of statistical sheets and small chart (1 inch to 500 feet). Source: U.S. Fish Commission steamer *Albatross.* (Filed as 173.59)

278. BAR AND DUMPING GROUND AT ENTRANCE TO HONOLULU HARBOR. 1891. 1 item.
Tracing by W. W. Bruner, received with records of the U.S.S. *San Francisco,* showing soundings. 1 inch to 100 feet. (Filed as 373.49, #1)

279. HONOLULU HARBOR. 1892. 1 item.
Partly illegible published chart of Honolulu Harbor (H.O. chart No. 6, dated 1890), annotated with triangulation and sailing notes. The base chart shows hydrography,

streets, and important buildings near the harbor. Approx. 9 inches to 1 nautical mile. Source: U.S.S. *San Francisco.* (Filed as 373.49, #5)

280. HONOLULU HARBOR. 1892. 2 items.
Triangulation diagrams (on tracing paper) of the harbor and part of the island of Oahu. Scales vary. Source: U.S.S. *Boston.* (Filed as 173.57, #2 and #3)

281. HONOLULU WATERFRONT AND VICINITY. 1892. 1 item.
"Map of the Lower Part of City of Honolulu and the Harbor Front . . . Reg. Maps #1397 and #1596." Tracing, apparently of Hawaiian Government Survey maps, showing names of streets, a few prominent buildings, and railroad wharves. The information is duplicated on the smooth sheet listed in entry 282. 1 inch to 100 feet. Source: U.S.S. *Boston.* (Filed as 173.57, #1)

282. HONOLULU HARBOR AND CITY. 1892. 1 item.
Smooth survey sheet showing harbor soundings, names of streets, a few prominent buildings, railroad wharves, mudflats, and other features. 1 inch to 100 feet. Source: U.S.S. *Boston.* (Filed as 173.57, #5)

283. HONOLULU CHANNEL AND BAR. 1892. 1 item.
Smooth survey sheet showing hydrography of channel area and a few landmarks. 1 inch to 100 feet. Source: U.S.S. *Boston.* (Filed as 173.57, #4)

284. DIAMOND HEAD SIGNAL STATION, WAIKIKI VICINITY. 1893. 1 item.
Tracing (marked with the location of a signal station, apparently for survey use) of Diamond Head from Hawaiian Government Survey maps. 1 inch to 1,000 feet. Source: U.S.S. *Mohican.* (Filed as 271.16, #2)

285. HONOLULU HARBOR. 1893. 1 item.
Published chart of Honolulu Harbor (H.O. chart No. 6, dated 1893), annotated to show dumping ground and piers. The base chart shows hydrography, streets, and prominent buildings near the harbor. Approx. 9 inches to 1 nautical mile. Source: U.S.S. *Mohican.* (Filed as 173.68)

286. HONOLULU HARBOR. 1900. 1 item.
"Honolulu Harbor, Showing Wharves, Harbor Lines and Naval Reservations as Located by Hawaiian Gov. Survey, April 1900." Tracing. 1 inch to approx. 110 yards. Source: U.S.S. *Iroquois.* (Filed as 5112.47, #1)

287. HONOLULU HARBOR. 1902. 1 item.
Published chart of Honolulu Harbor (H.O. chart No. 1381, dated 1901), annotated by personnel of the U.S. Naval Station to show dredged areas, harbor lines, and a new wharf. The base chart shows prominent buildings, railroads, and other features in part of the city adjacent to the harbor. 1 inch to approx. 110 yards. (Filed as 5112.47, #2)

288. HONOLULU HARBOR. 1905-6. 2 items.
Two blueprint copies of harbor plans based on surveys by Capt. J. H. Slattery, Corps of Engineers, U.S. Army, in 1905 and 1906. Both charts show harbor soundings and waterfront buildings. Annotations by the Hydrographic Office are in pencil. Scale of both charts, 1 inch to approx. 300 feet. (Filed as 5123.11, #1 and #2)

Pearl Harbor

289. PEARL RIVER MOUTH AND BAR. 1873. 2 items.
Manuscript chart and tracing from survey by Lt. Comdr. J. H. Sands, annotated "Published on chart No. 134 Hydrographic Office USN" and showing hydrography, landmarks on the adjacent coast, saltworks, and large houses. 1 inch to 500 feet. Source: U.S.S. *California.* (Filed as 173.35, #9 and #9a)

290. PEARL HARBOR. 1873. 1 item.
"Preliminary Sketch Showing the Coast Line of the Pearl Lochs . . . From papers of the Hawaiian Gov't Survey . . . Furnished by Authority to Officers of the U.S. Flagship *California* . . . 1873." Tracing showing dwellings, fishponds, and cultivated fields

near the shoreline. 1:12,000. Source: U.S.S. *California.* (Filed as 173.35, #5)

291. PEARL HARBOR. Ca. 1874. 1 item.
Photograph of an 1873 Hawaiian Government Survey chart of Pearl Lochs and Puuloa entrance, annotated with soundings. The base chart shows cultivated areas, names of some residents, mills, and buildings, but the photographic copy is badly faded and mostly illegible. 1 inch to 2,500 feet. Source: U.S.S. *Benicia.* (Filed as 173.35, #1)

292. PEARL HARBOR. 1888. 1 item.
"Pearl Lochs and Puuloa Entrance, Ewa, Oahu, Copied and compiled from maps of the Hawaiian Government Survey by S. E. Bishop .... Presented to the U.S. Government by Mr. S. M. Damon of Honolulu." Manuscript map covering the Pearl Harbor region and showing hydrography, estates of Bishop and Queen Emma, Puuloa Salt Works, ranches, springs, the proposed site of suburban villas, fisheries, old fishponds, part of Waipio Peninsula "offered by Mr. Brown," and other details. 1:12,000. Source: U.S.S. *Vandalia.* (Filed as 373.12, #4)

293. PEARL RIVER. 1888. 1 item.
Smooth survey sheet, based on Hawaiian Government Survey charts, showing hydrography and a few coastal features. 1:10,000. Source: U.S.S. *Vandalia.* (Filed as 373.12, #1)

294. BAR AT ENTRANCE TO PEARL HARBOR. 1888. 1 item.
Smooth survey sheet showing hydrographic information. 1:5,000. Source: U.S.S. *Vandalia.* (Filed as 373.12, #2)

295. CHANNEL TO BE DREDGED AT ENTRANCE TO PEARL HARBOR. 1888. 2 items.
Smooth survey sheet covering a section of the bar at the mouth of the river and showing the cut to make a channel. Also included is a sheet of calculations of the amount of material to be removed from the bar. Scale of chart, 1 inch to 150 feet. Source: U.S.S. *Vandalia.* (Filed as 372.12, #3 and #5)

296. PEARL HARBOR AND BAR. 1894. 10 items.
Charts accompanying a report by Lt. W. M. Wood of the U.S.S. *Philadelphia*:

1. "Chart A. Examination of Pearl Harbor Bar."
2. "Chart B. Pearl Harbor Bar showing proposed cut."

3 and 4. Drawings of a dredging machine to be used for deepening Honolulu Channel and of a 2-ton tripod.

5a and 5b. Two published charts of Pearl Harbor and Lochs (H.O. chart No. 1141, dated 1890 and 1893) with annotations.

6. "Plan of Honolulu Bar and Dumping Ground," a blueprint.
7. "Mouth and Bar, Pearl River," a blueprint, based on the 1873 survey by the U.S.S. *California* and Hawaiian Government Survey.
8. "Pearl River and Soundings," a blueprint, based on the 1887 survey by the U.S.S. *Vandalia.*
9. Tracing of "Chart B. Pearl Harbor Bar . . .," listed above.

Scales vary. (Filed as 153.39, #1-#9)

297. PEARL HARBOR BAR AND ENTRANCE. 1897-98. 1 item.
Smooth survey sheet showing hydrography and "shoreline and topography from records in Hawaiian Government Survey Office." 1 inch to 500 feet. Source: U.S.S. *Bennington.* (Filed as 1102.40, #1)

298. PEARL HARBOR. 1897-98. 1 item.
Smooth sheet from survey of "Pearl Lochs" showing hydrography and the "shoreline and topography from records in Hawaiian Government Survey Office." 1 inch to 500 feet. Source: U.S.S. *Bennington.* (Filed as 1102.40, #2)

299. PEARL HARBOR. 1900. 3 items.
Published Hydrographic Office charts, overprinted in colored inks, to accompany report on the establishment of the U.S. Naval Station:

- "Plan No. 1 accompanying report of Pearl Harbor Board showing Lands recommended to be acquired for Naval

Station and defensive purposes, the ultimate width of channel recommended, and the Port Warden or harbor lines."

- "Plan No. 2. The Pearl River Entrance showing dredging necessary . . . ."
- "Plan No. 3. Showing the channel 200 yards wide recommended as necessary to be dredged so as to afford safe navigation to the largest vessels of the U.S. Navy."

Large scale. (Filed as 5111.38, plans 1-3)

300. PEARL HARBOR. 1905. 1 item.
Published chart of "Pearl River and Lochs" (H.O. chart No. 1800, based on the U.S.S. *Bennington* survey of 1897, with corrections to 1904), annotated to show sugarcane fields in areas formerly indicated as grazing land or bushland, a new U.S. Government reservation, and navigational aids. Approx. 7 inches to 1 nautical mile. Source: U.S.S. *Iroquois.* (Filed as 372.11)

Other Harbors and Bays

301. LAIE BAY, NORTH COAST OF OAHU. 1884. 1 item.
Tracing of a Hawaiian Government Survey chart, received from the U.S.S. *Charleston* in 1890, showing hydrography, topography, a Mormon settlement, and sugarcane mills. 1 inch to 500 feet. (Filed as 271.7, #4)

302. KOOLAU BAY, NORTHEAST COAST OF OAHU. 1882. 1 item.
Tracing of a Hawaiian Government Survey chart, received from the U.S.S. *Charleston* in 1890, showing hydrography, topography, ruins of native settlements, fishponds, rice, taro, and sugarcane areas. 1 inch to 1,000 feet. (Filed as 271.7, #21)

303. KAILUA BAY, NORTHEAST COAST OF OAHU. 1884. 1 item.
Tracing of a Hawaiian Government Survey chart, received from the U.S.S. *Charleston* in 1890, showing hydrography, topography, and saltworks. 1 inch to 1,000 feet. (Filed as 271.7, #2)

304. WAIMANALO TO MAUNALOA BAYS, SOUTHEAST COAST OF OAHU. 1884. 1 item.
Tracing of the easternmost coast of Oahu from a Hawaiian Government Survey chart. The tracing, received from the U.S.S. *Charleston* in 1890, covers Waimanalo, Hanauma, and part of Maunaloa Bays and shows hydrography, topography, buildings, roads, and rice and sugarcane fields. 1 inch to 1,000 feet. (Filed as 271.7, #24)

305. HANAUMA BAY, SOUTHEAST COAST OF OAHU. 1883. 1 item.
Tracing of a Hawaiian Government Survey chart, received from the U.S.S. *Charleston* in 1890, showing hydrography and topography. 1 inch to 500 feet. (Filed as 271.7, #3)

306. MAKAPUU POINT TO MAUNALOA BAY, SOUTHEAST COAST OF OAHU. 1891. 1 item.
Manuscript chart of the extreme southeastern coast of Oahu showing hydrography, topography, and some dwellings. Approx. 6 inches to 1 nautical mile. Source: U.S. Fish Commission steamer *Albatross.* (Filed as 173.58, #1)

307. MAUNALOA BAY AND VICINITY, SOUTHEAST COAST OF OAHU. 1891. 1 item.
Manuscript chart, on tracing paper, covering area from Koko Head to Diamond Head and showing hydrography, topography, and some dwellings. Approx. 6 inches to 1 nautical mile. Source: U.S. Fish Commission steamer *Albatross.* (Filed as 173.58, #2)

308. BARBER'S POINT (KALAELOA), SOUTHWEST COAST OF OAHU. 1884. 1 item.
Tracing of a Hawaiian Government Survey chart, received from the U.S.S. *Charleston* in 1890, showing hydrography and topography. 1 inch to 500 feet. (Filed as 271.7, #6)

309. WAIANAE AND ADJACENT COAST, SOUTHWEST COAST OF OAHU. 1884. 1 item.

Tracing of a Hawaiian Government Survey chart, received from the U.S.S. *Charleston* in 1890, showing hydrography, topography, buildings, railroads, and cultivated fields. 1 inch to 1,000 feet. (Filed as 271.7 #8)

310. WAIALUA BAY, NORTHWEST COAST OF OAHU. 1884. 1 item.
Tracing of a Hawaiian Government Survey chart, received from the U.S.S. *Charleston* in 1890, showing hydrography, topography, rice plantations, and names of some residents. 1 inch to 300 feet. (Filed as 271.7, #5)

311. WAIMEA BAY, NORTHWEST COAST OF OAHU. 1884. 1 item.
Tracing of a Hawaiian Government Survey chart, received from the U.S.S. *Charleston* in 1890, showing hydrography, topography, and buildings. 1 inch to 200 feet. (Filed as 271.7, #7)

KAUAI ISLAND

312. KAUAI ISLAND. 1900-1901. 1 item.
"Hawaiian Government Survey. W. D. Alexander Surveyor-General. Map of the Island of Kauai, Hawaiian Islands . . . Tracing of Reg. Map No. 1395. F. E. Harbey. Feb. 1900." Blueprint copy from tracing, with additional notes by Walter E. Wall, showing topography, roads, and placenames. The map was received with records of deep-sea survey of Hawaiian waters by the U.S. Fish Commission ship *Albatross,* 1902. Approx. 1:3,500,000. (Filed as 133.15, #12)

313. KAUAI ISLAND. 1903. 1 item.
"Hawaii Territory Survey. Walter E. Wall Surveyor. Kauai Hawaiian Islands 1903. Compiled by John M. Donn from all available data in the office and from private surveys." Printed map showing topography, settlements, plantations, political jurisdictions, land grants, harbors, roads, and names of a few landholders. 1 inch to 5,000 feet. (Filed as 563.42, #4)

314. HANALEI BAY, NORTH COAST OF KAUAI ISLAND. 1867. 1 item.
Manuscript chart from survey, used as a basis for published H.O. chart No. 134, showing hydrography and topography. 1 inch to approx. 1,200 feet. Source: U.S.S. *Lackawanna.* (Filed as 272.2, #6)

315. HANALEI BAY, NORTH COAST OF KAUAI ISLAND. 1885. 1 item.
Tracing of a Hawaiian Government Survey chart, received from the U.S.S. *Charleston* in 1890, showing hydrography, topography, buildings, and cultivated fields. 1 inch to 500 feet. (Filed as 271.7, #9)

316. HANAMAULU BAY, EAST COAST OF KAUAI ISLAND. 1885. 1 item.
Tracing of a Hawaiian Government Survey chart, received from the U.S.S. *Charleston* in 1890, showing hydrography, topography, buildings, and cultivated fields. 1 inch to 300 feet. (Filed as 271.7, #12)

317. NAWILIWELI HARBOR, SOUTHEAST COAST OF KAUAI ISLAND. 1881. 1 item.
Tracing of a Hawaiian Government Survey chart, received from the U.S.S. *Charleston* in 1890, showing hydrography, topography, buildings, and cultivated fields. 1 inch to 500 feet. (Filed as 271.7, #11)

318. WAIMEA BAY, SOUTHWEST COAST OF KAUAI ISLAND. 1874. 1 item.
Tracing (copied by C. J. Lyons of the Hawaiian Government Survey "from tracing in possession of Capt. Tupman") of a plan of Waimea Bay showing the site of the Transit of Venus observatory occupied by Professor Forbes. Approx. 1:1,600. (Filed as 173.35, #2)

319. WAIMEA BAY, SOUTHWEST COAST OF KAUAI ISLAND. 1885. 1 item.
Tracing of a Hawaiian Government Survey chart, received from the U.S.S. *Charleston* in 1890, showing hydrography, topography, buildings, cultivated fields, and a railroad. 1 inch to 300 feet. (Filed as 271.7, #10)

NECKER ISLAND

320. NECKER ISLAND. 1896. 1 item.
Map on tracing cloth, forwarded by Frank S. Dodge of the Hawaiian Government Survey, showing topography and a boat landing. 1:2,400 (Filed as 391.33)

FRENCH FRIGATE SHOALS

321. FRENCH FRIGATE SHOALS. 1859. 2 items.
"French Frigate Shoals with track of bark *Gambia,* N. C. Brooks Commander . . . Contains a good harbour, but the access is dangerous. Plenty of seals, turtles, fish, and fowls." Original manuscript chart and more legible tracing showing boat passages and anchorages. Insets: two small sketches of the shoal. 1 inch to 2 nautical miles. (Filed as 272.8, #6)

322. FRENCH FRIGATE SHOALS. 1859. 1 item.
"French Frigate Shoal examined by Lieutenant John M. Brooke U.S.N. commanding U.S. Schooner *F. Cooper* 1859." Manuscript chart showing the shoal and track of the ship. 1 inch to 1 nautical mile. (Filed as 272.23, #4)

MARO REEF

323. MARO REEF. 1859. 2 items.
"Maro Shoals with track of bark *Gambia,* N. C. Brooks Commander. The breakers are very low and the shoal is a most dangerous one. A great variety of excilent [sic] fish. Survey 1859." Original manuscript chart and more legible tracing. 1 inch to approx. 1 1/2 nautical miles. (Filed as 272.8, #3)

LAYSAN ISLAND

324. LAYSAN ISLAND. 1859. 2 items.
"Laysan with track of bark *Gambia,* N. C. Brooks Commander . . . Wood, water, seals, turtle, fish, fowls and eggs." Original manuscript chart and more legible tracing showing shoals, boat passages, a lagoon, locations of animal life, a sealing party campsite, and the wreck of an unknown vessel. Approx. 2 1/2 inches to 1 nautical mile. (Filed as 272.8, #5)

325. LAYSAN ISLAND. 1902. 2 items.
Manuscript chart of the interior of the island and partial blueprint copy showing buildings on the island. Names of officers of the *Albatross* are listed on the manuscript chart. 1:5,000. Source: U.S. Fish Commission steamer *Albatross.* (Filed as 133.15, #32 and #36)

LISIANSKI ISLAND

326. LISIANSKI ISLAND. 1859. 2 items.
"Lisianski Island with track of bark *Gambia,* N. C. Brooks Commander. Drift wood, water, seals, turtle, fish, fowls & eggs . . . Lisiansky, Lassiew and Pell's Island are one and the same." Original manuscript chart and more legible tracing showing notice of possession left by the schooner *Santiago,* a campsite, the wrecks of the ships *Holder Borden* and *Konahassett,* and the location of a sealing party. Approx. 2 1/2 inches to 1 nautical mile. (Filed as 272.8, #1)

327. LISIANSKI ISLAND ANCHORAGE. 1893. 1 item.
Tracing of a Hawaiian Government Survey chart from a survey by F. D. Walker, forwarded by Curtis J. Lyons, showing guano beds, vegetation, and surrounding coral patches. 1 inch to 500 feet. (Filed as 373.52, #1)

328. LISIANSKI ISLAND. 1893. 1 item.
Small manuscript chart of the atoll from a survey by F. D. Walker of the Hawaiian Government, forwarded by Curtis J. Lyons. Approx. 2 inches to 1 mile. (Filed as 373.52, #2)

329. LISIANSKI ISLAND. 1902. 1 item.
Blueprint copy of original tracing from a survey. It contains a written description of anchorage possibilities and plant-life and birdlife. Approx. 2 1/2 inches

to 1 nautical mile. Source: U.S. Fish Commission steamer *Albatross.* (Filed as 133.15, #2)

PEARL AND HERMES REEF

330. PEARL AND HERMES REEF. 1859. 2 items.

"Pearl and Hermes Group with track of bark *Gambia,* N. C. Brooks Commander. Good Anchorage outside or in . . . Seals, turtle, fish, fowls, brakish water, old shipwood &c." Original manuscript chart and more legible tracing showing shoals, boat passages, a campsite, and the wrecks of the ships *Pearl* and *Hermes.* 1 inch to approx. 2 nautical miles. (Filed as 272.8, #2)

331. PEARL AND HERMES REEF. 1867. 1 item.

Manuscript chart. 1 inch to 1 nautical mile. Source: U.S.S. *Lackawanna.* (Filed as 272.2, #3)

KURE ISLAND

332. KURE (OCEAN) ISLAND. 1859. 2 items.

"Ocean Island with track of bark *Gambia,* N. C. Brooks Commander . . . Anchorage outside for ships and inside for schooners . . . Fresh water, wood, seals, turtle, fish, fowls and eggs . . . Survey of 1859. Ocean, Staves, & Cure Island are one and the same . . . ." Original manuscript chart and more legible tracing showing boat passages, anchorages, a campsite, and the wrecks of the ships *Gladstone* and *Parker,* an unknown vessel, and a "Japanese Junk." 1 inch to approx. 1 1/2 nautical miles. (Filed as 272.8, #4)

333. KURE (OCEAN) ISLAND. 1867. 1 item.

"Cure or Ocean Island." Manuscript plan of the atoll. Approx. 2 inches to 1 nautical mile. Source: U.S.S. *Lackawanna.* (Filed as 272.2, #5)

Howland and Baker Islands

334. HOWLAND AND BAKER ISLANDS. 1872. 1 item.

Two manuscript charts on one sheet, Howland Island and Baker Island, which bears the penciled notation "Published by Hydrographic Office July 1872. See chart 376 [?]." and shows topography, buildings, guano patches, and guano piles. Large scale. Source: U.S.S. *Narragansett.* (Filed as 173.13, chart K)

Johnston Island

335. JOHNSTON ISLAND AND TAONGI ATOLL (OR GASPAR RICO REEF IN THE MARSHALL ISLANDS). Ca. 1866. 1 item.

"North Pacific Islands." Manuscript version of Hydrographic Office chart No. 3, consisting of two charts on one sheet: "Smith, Johnston, or Cornwallis Island" and "The West Side of Gaspar Rico Reef (Smyth or Farnham's Island)." Both charts are based on examinations by J. M. Brooke during his 1859 expedition to the Pacific, to China, and to Japan. This composite was apparently constructed ca. 1866, when the Hydrographic Office became a separate agency and began its numbered series of charts. Chart projection by E. R. Knorr. A note indicates that "The Pacific Guano Company of San Francisco claims possession" of Johnston Island. Approx. 2 inches to 1 nautical mile. Source: U.S.S. *Fenimore Cooper.* (Filed as 272.23, #3)

336. JOHNSTON ISLAND. 1859. 1 item.

"Smith, Johnston, or Cornwallis Island." Blueprint copy of chart originally based on a reconnaissance in 1859 by the U.S.S. *Fenimore Cooper* (commanded by J. M. Brooke) and reproduced from a tracing made in 1902 by H. C. Pierce of the U.S. Fish Commission steamer *Albatross.* It contains remarks on ownership of island. Approx. 2 inches to 1 nautical mile. (Filed as 133.15, #3)

337. JOHNSTON ISLAND. 1892. 1 item.
"Sketch Survey of Johnston Island and Reef by . . . H.M.S. *Champion*–1892." Tracing of the original showing a few soundings and descriptive notes. Approx. 1:18,000. (Filed as 373.60)

Line Islands

338. TRACK CHART OF "HELEN W. ALMY" EXPEDITION IN VICINITY OF CHRISTMAS, WASHINGTON, AND FANNING ISLANDS. 1894. 1 item.
Manuscript chart signed by J. F. Luttrell. 1:725,000. (Filed as 582.36)

339. FLINT ISLAND. 1880. 1 item.
Rough chart showing observations made to locate island while passing south of it. 2 inches to 1 nautical mile. Source: U.S.S. *Alaska.* (Filed as 173.30)

340. CAROLINE ATOLL. 1883. 2 items.
Manuscript survey charts, one showing the entire atoll (approx. 3 inches to 1 nautical mile) and the other showing an enlarged plan of the southern part of the atoll (1 inch to approx. 750 feet). These charts were used as the basis for published Hydrographic Office chart No. 928. Source: U.S.S. *Hartford.* (Filed as 173.1, #1 and #2)

341. JARVIS ISLAND. 1840. 1 item.
"Jarvis Island . . . U.S. Explg. Epdn. [Wilkes exploring expedition] 1840." Manuscript chart showing "low barren sand island" and ship's track. Penciled notations probably refer to later engraving work. 2 inches to 1 nautical mile. (Filed as 272.24, #8)

342. CHRISTMAS ISLAND. 1874. 1 item.
"West Side and Entrance to Lagoon of Christmas Island." Manuscript chart showing hydrography and notes on topography and vegetation cover. 1:15,000. Source: U.S.S. *Portsmouth.* (Filed as 173.19, #4)

343. FANNING ISLAND. 1889. 1 item.
Triangulation sheet for survey of the north coast of Fanning Island, annotated "The smooth copy of this chart with all the topography . . . was lost in the mails . . . ." Large scale. Source: U.S.S. *Nipsic.* (Filed as 273.30)

344. WASHINGTON ISLAND. 1840. 1 item.
"New York or Washington Island . . . U.S. Explg. Expdn. [Wilkes exploring expedition] 1841. Scale 2 inches to a mile." Manuscript chart showing "low island, thickly covered with cocoa nut trees" and track of ship while surveying. Penciled notations probably refer to later engraving work. (Filed as 272.24, #6)

345. WASHINGTON ISLAND. 1874. 1 item.
Manuscript chart from a running survey showing hydrography, vegetation, peat bogs, dwellings, and a boat landing. 1:30,000. Source: U.S.S. *Portsmouth.* (Filed as 173.19, #3)

346. PALMYRA ISLAND. 1873. 1 item.
Manuscript chart, in color, showing hydrography and island vegetation. Inset: profile view of the island from anchorage. 1:15,000. Source: U.S.S. *Portsmouth.* (Filed as 173.19, #2)

Marcus Island

347. MARCUS ISLAND. 1874. 1 item.
Landscape view in watercolors by Lieutenant Shufeldt, part of the records of deep-sea soundings in the Pacific by the U.S.S. *Tuscarora.* (Filed as 381.20, #9b)

348. MARCUS ISLAND. 1902. 1 item.
Track of U.S. Army transport *Kilpatrick,* descriptive comments on Marcus Island, and notes on reported dangers in the Pacific are annotated on a Hydrographic Office chart designed to show recommended steamship routes across the Pacific as of 1900. Small scale. (Filed as 173.20)

Mariana Islands

349. MARIANA ISLANDS, INCLUDING GUAM. 1819. 1 item.
"Carta general del Archipielago de las Marianas . . . levantada por Duperrey a

bordo de la *Urania* en 1819." Tracing, in Spanish, apparently based on surveys by Louis Isidor Duperrey of the French vessel *Uranie* and annotated with the date 1850. Attached note reads, "These tracings were found in the house of Admiral Montejo at Manila by Gen. Greene, U.S.V., and by him brought to the Navy Department in September, 1898." 1 inch to approx. 10 nautical miles. (Filed as 1113.11, #5)

350. SAIPAN, TINIAN, GUAM, AND ROTA ISLANDS. N.d. 1 item.
"Islas Marianas." Photocopy of a printed Spanish chart (no date or source shown), received in the archives of the Hydrographic Office in 1899, showing topography, settlements, place-names, and roads on the islands. Separate enlarged plans cover Saipan, Tinian, Guam (Guajan), and Rota islands. An inset covers the entire group at small scale. Scales vary. (Filed as 3111.14)

351. FARALLON DE PAJAROS (URACAS) ISLAND. 1880. 1 item.
Four pencil landscape views of the island on one sheet. The artist is not identified. Source: U.S.S. *Alert.* (Filed as 173.2, #15)

Marshall Islands

352. SEARCH FOR REPORTED ISLAND NEAR RATAK CHAIN OF THE MARSHALL ISLANDS. 1872. 1 item.
Track chart, annotated "No existence in the position assigned." 1 inch to approx. 8 nautical miles. Source: U.S.S. *Narragansett.* (Filed as 173.14, #6)

353. ANCHORAGES IN THE MARSHALL ISLANDS. 1900. 1 item.
Published chart of "Anchorages in Marshall Chain" (H.O. chart No. 1749, dated 1898), annotated in red ink to show the correct positions of the Wotje or Ramanzov Islands. The base chart contains several plans on one sheet, including Jaluit or Bonham Atoll and Mille or Port du Rhin, Mili Atoll (Mulgrave Islands). Scales vary. Source: U.S. Fish Commission steamer *Albatross.* (Filed as 4122.5, #11)

RATAK (RADAK) CHAIN

354. MILI ATOLL (MULGRAVE ISLANDS). 1872. 1 item.
"N.W. Part of the Mulgrave Islands." Manuscript copy of a chart originally surveyed by the corvette *Rhin,* French Navy, in 1847. Inset: enlarged plan of Port du Rhin by Lieutenant Reynaud of the French Navy (1845), with corrections and additions by the U.S.S. *Narragansett.* (Filed as 173.14, #3)

355. ARNO ATOLL. 1872. 1 item.
Manuscript chart showing vegetation cover, a village, a trading station, and boat passages, and bearing the penciled notation "Published, together with Ebon Atoll, as Hydro. Office Chart No. 496." 1 inch to 2 nautical miles. Source: U.S.S. *Narragansett.* (Filed as 173.14, #5)

356. NORTH SIDE OF ARNO ATOLL. 1900. 1 item.
Tracing showing the locations of a village and trading stations. 1 inch to 1 nautical mile. Source: U.S. Fish Commission steamer *Albatross.* (Filed as 4122.5, #5)

357. MALOELAP (MALOELAB) AND AURH ATOLLS. 1900. 1 item.
Sketch chart (tracing) by C. Domnick, captain of the port of Jaluit, showing lagoons, boat passages, and a few soundings. 1 inch to approx. 5 nautical miles. Source: U.S. Fish Commission steamer *Albatross.* (Filed as 4122.5, #10)

358. LIKIEB (LEGIEP) ATOLL. Ca. 1885. 1 item.
Manuscript chart, received in 1885 from J. V. Melander (no other information given), showing names of smaller islets, settlements, and a few soundings in Likieb harbor. The chart is annotated with remarks relating to its publication. 1 inch to approx. 1 1/4 nautical miles. (Filed as 272.50)

359. LIKIEB (LEGIEP) GROUP. 1900. 1 item.
Published chart (H.O. chart No. 996, dated 1887), annotated to show correct positions of islands found during a running

survey. 1 inch to approx. 3 nautical miles. Source: U.S. Fish Commission steamer *Albatross.* (Filed as 4122.5, #1)

RALIK (RALICK) CHAIN

360. EBON ATOLL. 1872. 1 item.
Manuscript chart showing vegetation cover and dwellings and bearing the penciled notation "Published together with Arhno Atoll as Hydro. Office chart No. 496." 2 inches to 1 nautical mile. Source: U.S.S. *Narragansett.* (Filed as 173.14, #1)

361. SOUTHEAST PASS ANCHORAGE, JALUIT ATOLL. 1900. 1 item.
Tracing showing hydrography, roads, piers, Jaluit Co. building, and a government house. 1:10,000. Source: U.S. Fish Commission steamer *Albatross.* (Filed as 4122.5, #7)

362. RONGERIK (PESCADORES) ATOLL. 1841. 1 item.
"Island of Pescadores . . . . U.S. Explg. Expdn. [Wilkes exploring expedition] May 1841. Scale one inch to the mile." Manuscript plan of the atoll. Penciled notations probably refer to later engraving work. (Filed as 272.24, #11)

Midway Islands

363. MIDWAY ISLANDS. 1859. 1 item.
"Brooks Islands and Shoals, with track of bark *Gambia,* N.C. Brooks Comdg. Wood, water, Seales [sic], Turtle, fish, fowls, and eggs . . . Good anchorage inside or out." Manuscript chart showing locations of notices of possession, shoals, and notes on vegetation and animal life. 1 inch to 1 nautical mile. (Filed as 272.8, #7)

364. MIDWAY ISLANDS. 1867. 1 item.
"Brooks Island." Manuscript chart. Names of islands and the "place of taking possession" were added in pencil. Approx. 2 inches to 1 nautical mile. Source: U.S.S. *Lackawanna.* (Filed as 272.7, #7)

365. WELLES HARBOR AND SEWARD ROADS, MIDWAY ISLANDS. 1867. 1 item.
Manuscript plan of Welles Harbor and Seward Roads, "Brooks Island," showing soundings taken by the U.S.S. *Lackawanna,* buildings, and an American flag on what is now Sand Island. The plan was used as the basis for published Hydrographic Office chart No. 5 and marked "This is the best copy for the engraver." 5 inches to 1 nautical mile. (Filed as 272.7, #2)

366. WELLES HARBOR, MIDWAY ISLANDS. 1870. 1 item.
Chart on tracing cloth covering Welles Harbor and the adjacent part of Sand Island and showing soundings. Approx. 8 inches to 1 nautical mile. Source: U.S.S. *Saginaw.* (Filed as 272.12, #1)

367. BAR AT ENTRANCE TO WELLES HARBOR, MIDWAY ISLANDS. 1870. 2 items.
Manuscript chart and tracing showing numerous soundings. 1 inch to 200 feet. Source: U.S.S. *Saginaw.* (Filed as 272.12, #2 and #2a)

368. MIDWAY ISLANDS. 1900. 5 items.
Preliminary survey worksheets—sounding sheets, projection sheet, and tracings. Scales vary. Source: U.S.S. *Iroquois.* (Filed as 2121.16, #26-#30)

369. MIDWAY ISLANDS. 1900. 1 item.
Smooth sheet from survey showing numerous soundings, islands, and coral formations. 1:15,000. Source: U.S.S. *Iroquois.* (Filed as 2121.16, #24)

370. SEWARD ROADS AND WELLES HARBOR, MIDWAY ISLANDS. 1900. 1 item.
Smooth sheet from survey showing numerous soundings and topography on adjacent part of Sand Island. 1:5,000. Source: U.S.S. *Iroquois.* (Filed as 2121.16, #25)

371. MIDWAY ISLANDS. 1903. 2 items.
Two annotated versions of published Hydrographic Office chart No. 1951 of Seward Roads and Welles Harbor, accompanying a report by Lt. Comdr. Charles F. Pond on the potential use of Midway Islands as a cable station and naval base. 8 inches to 1 nautical mile. Source: U.S.S. *Iroquois.* (Filed as 182.49)

372. WELLES HARBOR, MIDWAY ISLANDS. 1906. 73 items.
Preliminary and revised worksheets from survey of proposed channels—rough boat sheets, cross-sectional sheets with information on borings and shoals to be removed, revised sounding sheet made in the Hydrographic Office's Division of Chart Construction, chart of boat positions, tracings, and duplicate blueprints. A list of individual sheets is provided in the original shelf lists of the Hydrographic Office archives. Large scale. Source: U.S.S. *Iroquois.* (Filed as 491.17, #14-#51)

New Caledonia Island

373. NEHOUE BAY, NEW CALEDONIA ISLAND. Ca. 1906. 1 item.
Photocopy of part of published French chart No. 2804, forwarded by Henry Sargent of Worcester, Mass., showing hydrography and topography. Scale is not shown. (Filed as 543.21)

New Hebrides Islands

374. HAYTER BAY, MIDDLE ISLAND, TORRES GROUP. 1872. 1 item.
Tracing of a chart of the bay originally surveyed by H.M.S. *Basilisk.* Approx. 3 1/2 inches to 1 nautical mile. Source: U.S.S. *Narragansett.* (Filed as 173.14, tracing b)

375. EFATE (VATE OR SANDWICH) AND HAT ISLANDS. 1872. 1 item.
Small manuscript plan of Efate Island, profile sketch of Hat Island, and verbal description—all on one sheet—submitted by the captain of the schooner *Quickstep.* The description concerns sailing dangers, availability of wood and water, and friendliness of natives. Scale is not shown. (Filed as 443.19, #1)

376. WALTER ANCHORAGE, POLENIA BAY, ERROMANGO ISLAND. 1872. 1 item.
Tracing of a chart of the anchorage originally surveyed by H.M.S. *Basilisk.* Approx. 5 inches to 1 nautical mile. Source: U.S.S. *Narragansett.* (Filed as 173.14, tracing c)

Phoenix Islands

377. PHOENIX ISLANDS. 1872. 1 item.
Tracing of chart from the survey by the U.S. Exploring Expedition of 1840-41 under the command of Charles Wilkes, annotated with additions and corrections by the U.S.S. *Narragansett.* Arrows indicate strength and directions of currents as reported by U.S. ships *Vincennes* and *Peacock* of the Wilkes expedition and by the *Narragansett.* 1 inch to approx. 11 nautical miles. (Filed as 173.15, chart G)

378. McKEAN ISLAND. Ca. 1841. 1 item.
"McKeen's Islet." Small sketch chart with accompanying notes, signed by James Alden, Wilkes exploring expedition, that describe the exploration of the island, apparently McKean Island of the Phoenix Islands. 2 inches to the mile. (Filed as 272.24, #2)

379. HULL ISLAND. 1841. 1 item.
"Hull's Island . . . U.S. Explg. Expdn, 1841. Scale 2 inches to the mile." Manuscript chart from the Wilkes exploring expedition. The title "Sidney Island" appears in ink, with the first word crossed out and replaced by "Hull's" in pencil. Additional penciled notations probably refer to later engraving work. (Filed as 272.24, #5)

380. BIRNIE AND ENDERBURY ISLANDS. 1841. 1 item.
Two manuscript charts on one sheet, from the Wilkes exploring expedition: (1) "Birnies Island . . . U.S. Expg. Expdn. 1841. Scale two inches to the mile." (2) "Enderbys. Island . . . U.S. Expg. Expdn. 1841. Scale two inches to the mile." Both charts show "Low barren sand island" and tracks of ship while surveying. Penciled notations probably refer to later engraving work. (Filed as 272.24, #10)

381. CANTON, PHOENIX, AND ENDERBURY ISLANDS. 1872. 1 item.
Three manuscript charts on one sheet bearing the penciled notation "Published by the Hydro. Office July 1872. See chart No. 376[?]." Canton Island is noted as

"Otherwise called Mary Bulcot Id., Swallow Id., and Mary 1." Scales vary. Source: U.S.S. *Narragansett.* (Filed as 173.13, chart H)

Samoa

382. LANDS CLAIMED BY FOREIGNERS IN SAMOA. 1885. 2 items.

Two charts drawn on tracing cloth, received from the U.S.S. *Lackawanna,* showing information provided by the German consulate at Apia, Upolu Island. One covers the Apia vicinity; the second covers the islands of Savaii, Upolu, and Tutuila. Foreign-claimed lands are shown in the following colors: Red—German; yellow—"other nationalities, mostly English and Americans"; and white—"Samoan Nation Land." Scales vary. (Filed as 272.45, #1 and #2)

383. SAMOA. 1889. 1 item.

"Spezial-Karte der Samoa-Inseln Nach Den Neuesten Materialien Bearbeitet Von Otto Herkt, Druck Und Verlag Von Carl Flemming in Glogau." Printed German chart showing topography and place-names and containing inset plans of Apia and Saluafata harbors. 1:850,000. (Filed as 273.32)

WESTERN SAMOA

384. APIA HARBOR UPOLU ISLAND. 1885-87. 1 item.

"Harbor of Apia. Survey by H.I.M.S. *Kreuzer, Albatross, & Adler.* 1885-87 . . . Drawn by Chas. A Doyen, Lieut. U.S. Marines." Manuscript chart showing harbor soundings, a mangrove swamp, houses, roads, the wrecks of the ships *Adler* and *Trenton,* and the position of the U.S.S. *Vandalia.* 1:10,000. (Filed as 273.31)

385. SAFATA BAY, UPOLU ISLAND. 1887. 1 item.

Manuscript chart from survey by S.M.S. *Carola,* received with records of the U.S.S. *Adams,* showing shoals, boat passages, coastal villages, and vegetation cover. Approx. 3 1/2 inches to 1 nautical mile. (Filed as 373.36, #2)

386. FANGALOA BAY, UPOLU ISLAND. 1888. 1 item.

Manuscript chart showing hydrography, coastal topography, and villages. Approx. 6 inches to 1 nautical mile. Source: U.S.S. *Mohican.* (Filed as 373.20)

387. NORTHEAST COAST OF UPOLU ISLAND, INCLUDING FANGALOA AND SALUAFATA BAYS AND OUTLYING ISLANDS. 1889. 1 item.

Manuscript chart from a running survey. 1 inch to 2 nautical miles. Source: U.S.S. *Adams.* (Filed as 373.36, #4)

388. APIA HARBOR, UPOLU ISLAND. 1890. 1 item.

Large manuscript chart, forwarded by the Secretary of the Navy, showing a few harbor soundings, U.S. and German consulates, a French mission, the Catholic Church, and a hotel. Approx. 30 inches to 1 nautical mile. (Filed as 173.67)

389. SALUAFATA HARBOR, UPOLU ISLAND. 1890. 1 item.

Manuscript survey chart showing hydrography, boat passages, coastal topography, vegetation cover, and villages. Inset: landscape view. 7 inches to 1 nautical mile. Source: U.S.S. *Adams.* (Filed as 373.38)

AMERICAN SAMOA

390. SWAINS ISLAND. 1841. 1 item.

"Swains Island . . . U.S. Explg. Expdn. February 4th 1841. Scale two inches to the mile." Manuscript chart of the island from the Wilkes exploring expedition. Penciled notes, including "Reduced & drawn," probably refer to later engraving work. (Filed as 272.24, #19)

391. LEONE BAY, TUTUILA ISLAND. 1872. 1 item.

Manuscript chart, "Published by the Hydro. Office, USN, July 1872 (chart No. 229)," showing hydrography, topography, and dwellings. 5 inches to 1 nautical mile. Source: U.S.S. *Narragansett.* (Filed as 173.13, chart F)

392. PAGO PAGO HARBOR, TUTUILA ISLAND. 1872. 1 item.
"Pango Pango." Manuscript chart of harbor, "Used in correcting Wilkes' chart of Pago Pago H.O. No. 91. July 1872," showing hydrography, topography, and dwellings. 6 inches to 1 nautical mile. Source: U.S.S. *Narragansett.* (Filed as 173.13, chart A)

393. PAGO PAGO HARBOR AND APPROACHES, TUTUILA ISLAND. 1872. 1 item.
Manuscript chart, originally entitled "Between Aunuu and Pango Pango" and now bearing new title, "Approaches to the Harbor of Pago Pago." Annotated in pencil "Published by Hydrog. Office July, 1872 . . . ," the chart shows hydrography, coastal topography, and settlements. 1 inch to 1 nautical mile. Source: U.S.S. *Narragansett.* (Filed as 173.13, chart B)

394. PAGO PAGO HARBOR, TUTUILA ISLAND. 1878. 1 item.
Sketch chart showing an available site for a coaling station, terrain, and a church. 1 inch to 200 feet. Source: U.S.S. *Adams.* (Filed as 173.22)

395. PAGO PAGO HARBOR COALING STATION SITE, TUTUILA. 1889. 7 items.
Charts and tracings showing sites 1-3, soundings and shoreline features, and the boundaries of the coal station selected by Rear Admiral Kimberly. One item (filed as item #3) indicates in color the owners of waterfront property. Scales vary. Source: U.S.S. *Monongahela.* (Filed as 173.40, #1a-#1d and #2-#4)

396. TUTUILA ISLAND AND PAGO PAGO HARBOR. 1901-5. 11 items.
Preliminary survey sheets, including boat sheets and tracings. Scales vary. Sources: U.S. ships *Wheeling, Adams,* and *Abarenda.* (Filed as 471.43, #80-#86, #88, #89, #92, and #93)

397. TUTUILA ISLAND. 1901-5. 1 item.
Undated outline map of the island showing coastal place-names, a U.S. naval station, and unidentified lines that may be administrative boundaries or survey lines. Approx. 2 1/2 inches to 1 nautical mile. Sources: U.S. ships *Wheeling, Adams,* and *Abarenda.* (Filed as 471.43, #87)

398. PAGO PAGO HARBOR, TUTUILA ISLAND. 1901-5. 2 items.
Manuscript chart of the harbor and blueprint copy showing hydrographic and topographic features, including buildings, roads, wooded areas, and a reservoir. Blueprint has title and scale information; manuscript chart does not. 1:5,000. Sources: U.S. ships *Wheeling, Adams,* and *Abarenda.* (Filed as 471.43, #90 and #91)

399. PAGO PAGO HARBOR, TUTUILA ISLAND. 1903-5. 1 item.
Smooth chart of harbor made in the Hydrographic Office's Division of Chart Construction from survey records of the U.S. ships *Wheeling, Adams,* and *Abarenda.* This chart, which is similar to the one described in entry 398 but with somewhat more detail, shows hydrography, topography, buildings, roads, wooded areas, trails, a reservoir, a naval coaling station, names of wharves, the Catholic Church, and a mission home. 1:5,000. (Filed as 471.43, #94)

400. PAGO PAGO HARBOR, TUTUILA ISLAND. 1908. 1 item.
Blueprint outline chart of the harbor "from photograph of chart in preparation. To accompany report of board dated Sept. 28th, 1908, on study of chart of harbor." The chart shows a few shoreline features, but most of the topography and hydrography are omitted. 1:5,075. (Filed as 471.43, miscellaneous enclosure)

Santa Cruz Islands

401. BASILISK HARBOR, UTUPUA (TAPOUA OR EDGECOMBE) ISLAND. 1872. 1 item.
Tracing of harbor plan originally charted by H.M.S. *Basilisk* during a running survey. 1 inch to 1 nautical mile. Source: U.S.S. *Narragansett.* (Filed as 173.14, tracing a)

Society Islands

402. OPUNOHU OR OPEN BAY, MOOREA (EIMEO) ISLAND. 1867. 2 items.

Two charts on tracing cloth—a sketch in ink and a smooth version apparently prepared for publication as Hydrographic Office chart No. 228—showing hydrography, coastal topography, a village, and a church. 6 inches to 1 nautical mile. Source: U.S.S. *Tuscarora.* (Filed as 272.2)

Tokelau Islands (Union Group)

403. ATAFU ISLAND. 1841. 1 item.
"Oatafu or Duke of York Island . . . U.S. Explg. Expdn. January 1841. Scale two inches to the mile." Manuscript plan from the Wilkes exploring expedition showing tracks of ship while surveying. Penciled notes, including the remark "Reduced & Drawn L. K.," probably refer to later engraving work. (Filed as 272.24, #14)

Tonga

404. WESTERN PART OF THE TONGA GROUP. 1886. 1 item.
Manuscript chart indicating search for reported dangers. Insets: landscape views of Falcon Island (Fonua fo'ou). 1 inch to approx. 9 nautical miles. Source: U.S.S. *Mohican.* (Filed as 273.18)

405. NORTH COAST OF TONGATAPU (TONGATABU) ISLAND. 1888. 1 item.
Published chart of the north coast of Tongatapu (British Admiralty chart No. 2363, dated 1886), annotated by the collector of customs at Nukualofa to show corrections in names of islets in Nukualofa Bay. 1 inch to 1 nautical mile. (Filed as 373.58)

406. NORTH COAST OF TONGATAPU (TONGATABU) ISLAND. 1889. 1 item.
Published chart of the north coast of Tongatapu (H.O. chart No. 165, reproduction of British Admiralty chart No. 2363, dated 1888), annotated by the harbormaster of Nukualofa to show a church, landings, and correct names of islets in Nukualofa Bay. A marginal note reads, "Note—in the Tongan Language 'N' is always sounded before the 'G.' Thus 'Toga' is 'Tonga.'" 1 inch to 1 nautical mile. (Filed as 373.50)

Tuamotu (Paumotu) Archipelago

407. PUKARUA (SEARLE OR SERLE'S) ISLAND. 1839. 1 item.
"Serle's Island . . ." Landscape views, in pencil by Joseph Drayton, Wilkes exploring expedition, from distances of 5 and 12 miles. (Filed as 272.24, #21)

408. PART OF AMANU ATOLL. 1899. 1 item.
Tracing of sketch chart, originally drawn by "J. Ch. Garnier," captain of the port of Papeete, and marked as Hydrographic Office chart No. 2061, showing boat passages into the lagoon and a new harbor of refuge "for cutters." 1 inch to 100 meters. Source: U.S. Fish Commission steamer *Albatross.* (Filed as 4122.5, #9)

409. FAKAHINA ATOLL. 1899. 1 item.
Tracing of chart, originally drawn by "J. Ch. Garnier," captain of the port of Papeete, and annotated "Not heretofore pub[lished]," showing villages, roads, and boat landings. Approx. 3 1/2 inches to 1 nautical mile. Source: U.S. Fish Commission steamer *Albatross.* (Filed as 4122.5, #4)

410. NORTHEAST PASS, MAKEMO ISLAND. 1900. 1 item.
Chart from survey showing roads, houses, vegetation, and soundings. 1:5,000. Source: U.S. Fish Commission steamer *Albatross.* (Filed as 4122.5, #8)

411. WESTERN PART OF FAKARAVA ATOLL. 1899. 1 item.
Tracing of Hydrographic Office chart No. 2063. 1 inch to approx. 4 nautical miles. Source: U.S. Fish Commission steamer *Albatross.* (Filed as 4122.5, #2)

412. KAUEHI (KAWAHE OR VINCENNES) ISLAND. 1839. 1 item.
"Chart of Kawahe or Vincennes Island 1839." Manuscript plan from the Wilkes exploring expedition showing topography, a lagoon, and Knox's Rock. Penciled notes probably refer to later engraving work. Approx. 2 inches to 1 nautical mile. (Filed as 272.24, #3)

413. PART OF APATAKI ISLAND. 1899. 1 item.
Tracing of chart, originally drawn by "J. Ch. Garnier," captain of the port of Papeete, showing Pakaka town, roads, pineapple gardens, the Mormon Temple, and other features. 1 inch to approx. 70 meters. Source: U.S. Fish Commission steamer *Albatross.* (Filed as 4122.5, #3)

414. AVATORU PASS AND VICINITY, RANGIROA (RAIROA) ISLAND. 1886. 1 item.
Manuscript chart showing topography and hydrography. Approx. 11 inches to 1 nautical mile. Source: U.S.S. *Mohican.* (Filed as 273.10)

Wallis and Futuna Group

415. WALLIS (UVEA) ISLAND. 1872. 1 item.
Tracing of chart, originally drawn by Lieutenant Champeaux of the French Navy (date of original not shown), indicating outline of the island, reefs, the Queen's palace, and a village. Approx. 1 inch to 1 nautical mile. Source: U.S.S. *Narragansett.* (Filed as 173.14, tracing d)

Other Islands and Shoals

416. SEARCH FOR REPORTED ISLAND. 1853. 1 item.
Chart showing track of H.M.S. *Trincomalee* in search of an island in the vicinity of latitude 40°10′N., longitude 150°30′ W. Small scale. (Filed as 272.28)

417. SEARCH FOR REED ROCKS (FALMOUTH SHOALS OR REDFIELD ROCKS), NORTH PACIFIC. 1870. 1 item.
"Reconnaissance for Reed Rocks." Manuscript track chart showing positions of supposed shoals as previously indicated on charts published by Imray and by the British Admiralty and reported by the vessels *Falmouth, Emma, Kuttosoff, Fannie Kemble,* and *Cambridge.* 1 inch to 3 nautical miles. Source: U.S.S. *Kearsarge.* (Filed as 173.18, #1)

418. SEARCH FOR REED ROCKS (FALMOUTH SHOALS OR REDFIELD ROCKS), NORTH PACIFIC. 1870-1901. 2 items.
Manuscript chart showing tracks of U.S. ships *Kearsarge* (1870), *Narragansett* (1875), and *Wheeling* (1901). A second rough sheet shows soundings of the *Wheeling* only. Scales vary. (Filed as 2123.10)

419. SEARCH FOR GALLEGO AND DUNCAN ISLANDS, NORTH PACIFIC. 1872. 1 item.
Chart showing track of the U.S.S. *St. Mary's* west of Central America. Small scale. (Filed as 272.14)

419a. SEARCH FOR REED ROCKS (FALMOUTH SHOALS OR REDFIELD ROCKS), NORTH PACIFIC. Ca. 1873. 2 items.
Tracings of U.S. Coast Survey charts showing tracks of the U.S.S. *Marcy* (1871) and the U.S. Coast Survey steamer *Hassler* (1873) in the vicinity of the shoal. Small scale. (Filed as 173.18, #3 and #4)

420. SEARCH FOR REED ROCKS (FALMOUTH SHOALS OR REDFIELD ROCKS), NORTH PACIFIC. 1875. 1 item.
"Track of the U.S.S. *Narragansett,* Comdr. George Dewey Comdg. June 1875. In Search of Reed or Falmouth Rocks." The chart is annotated in pencil to show the earlier track of the U.S.S. *Kearsarge,* 1870. 1 inch to 1 nautical mile. (Filed as 173.18, #2)

421. SEARCH FOR REED ROCKS (FALMOUTH SHOALS OR REDFIELD ROCKS), NORTH PACIFIC. 1881. 5 items.
Chart showing the track of the U.S.S. *Ranger* from San Francisco to the vicinity of the supposed shoals (approx. latitude 35° N. longitude 137° W.) and return to San Diego, with deep-sea soundings taken along the route; two profiles of the ocean bottom along the routes; and two charts showing tracks in the vicinity of the shoals. Scales vary. (Filed as 181.18, #1-#4)

422. REPORTED SHOAL, NORTH PACIFIC. 1901. 1 item.
Published Hydrographic Office chart showing recommended steamship routes across the Pacific as of 1900 and annotated to

show the track of the S.S. *Gaelic* and the nonexistence of a bank of soundings in the vicinity of latitude 30° N., longitude 177° E., which had been reported earlier. Small scale. (Filed as 4122.47)

423. SEARCH FOR ROCKS BETWEEN CALIFORNIA AND HAWAII. 1902. 5 items.
Four track charts and a list of soundings. Small scale. Source: U.S.S. *Wheeling*. (Filed as 272.36)

424. REPORTED ISLANDS SOUTHWEST OF THE MARIANA ISLANDS, NORTH PACIFIC. 1906. 1 item.
Published Hydrographic Office chart showing recommended steamship routes across the Pacific as of 1900 and bearing notation regarding failure to observe islands previously reported on old Spanish charts. Small scale. Source: U.S. Army transport *Buford*. (Filed as 563.8)

INDIAN OCEAN

425. PLOTTING SHEET FOR A PILOT CHART OF THE NORTH INDIAN OCEAN (MAURY'S WIND AND CURRENT CHART). 1855-56. 1 item.
Original manuscript plotting sheet, by Lieutenants Fitzgerald and West, divided into squares. Marks placed in each square indicate the occurrences of winds from various directions at given dates and positions as reported by ship captains. Small scale. (Filed as 443.21)

426. PILOT CHARTS OF THE NORTH INDIAN OCEAN (MAURY'S WIND AND CURRENT CHARTS). 1855-56. 2 items.
Two versions, a manuscript chart and a proof sheet, developed from the plotting sheet described in entry 425. Both show a series of wind roses and prevalent winds over a period of years for each of numerous parts of the ocean. Small scale. (Filed as 272.29, #1a and #1b)

427. ARABIAN SEA CURRENT CHART. 1883. 1 item.
Manuscript chart based on the logs of the U.S.S. *Ticonderoga* and barks *Glide* and *Taria Topan* and apparently prepared in the Hydrographic Office. Colored arrows show dates, directions, and force of currents. 1:10,000,000. (Filed as 473.13)

Seychelles

428. PORT VICTORIA, MAHE ISLAND, SEYCHELLES. N.d. 1 item.
"Plan of Port Victoria, Mahe. Shewing [sic] the Position of the Light House and Moorings for Mail Steamer. [Signed] R. W. E. Middleton, nav. Lt." Printed chart showing topography, harbor facilities, soundings, and an "arc of illumination" from the lighthouse. Approx. 2 1/4 inches to 1 nautical mile. (Filed as 473.16)

Heard Island

429. HEARD ISLAND AND McDONALD ROCKS. 1882. 1 item.
"Chart of Heard Island and McDonald Islands Constructed From the Survey of H.B.M.S. *Challenger* 1874, with a few changes, on board the U.S.S. *Marion*, Comd'r. S. W. Terry, U.S.N. January 1882." Included is a landscape drawing–in ink, by Ens. W. I. Chambers–entitled "View of Heard Island Jan. 12, 1882." 1 inch to approx. 4 nautical miles. (Filed as 473.18, #1)

430. HEARD ISLAND. 1882. 1 item.
Panel of six watercolor landscape views of the island on one sheet, prepared by Ens. W. I. Chambers. Source: U.S.S. *Marion*. (Filed as 473.18, #2)

431. HEARD ISLAND. 1882. 1 item.
"Hurds Island." Manuscript chart on tracing cloth showing topography, buildings, a road, and anchorages. 1 inch to approx. 2 1/2 nautical miles. Source: U.S.S. *Marion*. (Filed as 473.18, #3)

NORTH AMERICA

Alaska

(For northern Alaska, see Arctic Region.)

SOUTHWEST ALASKA

432. ALEUTIAN ISLANDS AND ALASKA PENINSULA. Ca. 1855. 1 item.
Untitled manuscript chart, apparently received from the U.S. North Pacific Surveying Expedition of the 1850's, with notes on hydrography, place-names, "Russian Company" villages, locations of coal deposits, and sightings of Russian sea captains. 1 inch to approx. 25 nautical miles. (Filed as 283.22, #3)

433. SOUTHWEST ALASKA. 1888. 1 item (8 sections).
"U.S. Commission of Fish and Fisheries. Marshal McDonald, Commissioner. Alaska Peninsula and Adjacent Islands. Compiled from U.S.C. Survey Charts No. 701, 702, 756, 786, 798, 806, and 960; Hydrographic Chart No. 68; Russian Charts; and from data obtained by Messrs. Sandman, Pavloff, and Lieut. Comdr. Z. L. Tanner, U.S.N., and Officers of the U.S.F.C. Str. *Albatross.*" Large blueprint covering the area from Umnak Island in the Aleutians and Nunivak Island on the west coast of Alaska eastward to Yakutat Bay and showing names of banks (fish-feeding grounds), coastal place-names, river mouths, mountain peaks, and a few villages. Hydrography is emphasized; interior land areas are left blank. 1:600,000. (Filed as 381.16, #1-#8)

434. SOUTHWEST ALASKA. 1888. 1 item.
Reduced photocopy of chart described in entry 433. Approx. 1:1,800,000. (Filed as 381.42)

435. INSIDE PASSAGE, ALASKA PENINSULA AND THE ALEUTIAN ISLANDS. 1894. 26 items.
Series of landscape profile views and three index maps showing the locations of points viewed along the passage from St. Paul Harbor, Kodiak Island, to Unalaska Island, passing north of the Shumagin Islands. All items are on tracing cloth except for some duplicate views reproduced on paper. The views consist of simple line drawings. Source: U.S. Fish Commission steamer *Albatross.* (Filed as 1123.38, #2, #4, and #5, with 23 separate views)

436. CHICHAGOF HARBOR, ATTU ISLAND, ALEUTIAN ISLANDS. 1855. 1 item.
"U.S. North Pacific Surveying Expedition. Lieut. John Rodgers, U.S.N., Commandg. Harbor of Tschitschagoff, Island of Attou. Surveyed by the U.S. Schooner *Fenimore Cooper,* Lieut. Wm. Gibson, U.S.N. Comdg. Lieut. Beverly Kennon U.S.N. July 1855. Original Working Sheet. The Notes & Sailing Directions that refer to this Sheet are on the original working sheet No. 2." Manuscript chart showing hydrography, coastal topography, dwellings, "Kennon Island," "Gibson Island," and "Cooper Island." Approx. 20 inches to 1 nautical mile. (Filed as 181.36, #76)

437. BLIJNIE GROUP OR NEAR ISLANDS, ALEUTIAN ISLANDS. 1855. 1 item.
"U.S. North Pacific Surveying Expedition, Lieut. John Rodgers, U.S.N. Comg. Original Working Sheet No. 1 By the U.S. Schr. *Fenimore Cooper* . . . July 1855 . . . . The Notes and Sailing Directions that refer to this sheet are to be found on Original Working Sheet No. 2." Manuscript chart covering the area from Attu Island eastward to Buldir (Bouldyr) Island (longitudes 172° to 176° E.) and showing the ship's tracks and soundings and topography on some of the islands, including the northern part of Attu. 1 inch to approx. 3 nautical miles. (Filed as 181.36, #72)

438. NEAR ISLANDS AND RAT ISLANDS, ALEUTIAN ISLANDS. 1901. 1 item.
Published chart (H.O. chart No. 55, dated 1896 and covering longitudes 173° E. to 179° W.) corrected to show positions of various islands in the Rat Islands as determined by the U.S.S. *Concord.* The base chart is an updated version of the original

U.S. North Pacific Surveying Expedition chart "Aleutian Archipelago, Sheet 1," containing six landscape views of islands and an inset plan of Chichagof Harbor, Attu. 1 inch to approx. 10 nautical miles. (Filed as 2121.19, #1)

439. KISKA BAY, KISKA ISLAND, RAT ISLANDS GROUP, ALEUTIAN ISLANDS. 1901. 1 item.

Manuscript chart of the bay, verified from earlier surveys, showing hydrography, topography, and sailing directions. Photographic landscape views are attached. Approx. 1 1/4 inches to 1 nautical mile. Source: U.S.S. *Concord.* (Filed as 2121.19, #2)

440. PETREL SHOAL, NORTH OF SEMISOPCHNOI ISLAND, ALEUTIAN ISLANDS. 1904. 2 items.

Two manuscript track charts showing soundings. Approx. 1 inch to 2 nautical miles. Source: U.S.S. *Petrel.* (Filed as 552.41 and 571.16)

441. WESTERN PART OF ANDREANOF GROUP, ALEUTIAN ISLANDS. 1855. 1 item.

"U.S. North Pacific Surveying Expedition. Comr. John Rodgers, U.S.N., Commanding. Original Working Sheet No. 3 By the U.S. Schr. *Fenimore Cooper* . . . . August 1855 . . . ." Manuscript chart covering part of the "Andreanovski" Group, including Tanaga and Adak Islands (longitudes 176° to 180° W.), and showing a few soundings, the ship's tracks, and island topography. Inset: view of Great Sitkhine (Sitkin) Island. 1 inch to approx. 3 nautical miles. (Filed as 181.36, #75)

442. CABLE BAY, TANAGA ISLAND, WESTERN ANDREANOF GROUP, ALEUTIAN ISLANDS. 1874. 1 item.

Reconnaissance chart of Cable Bay, "N.E. part of Glory of Russia Bay," charted during deep-sea sounding surveys in the North Pacific, showing hydrography and coastal topography. 1 inch to 300 feet. Source: U.S.S. *Tuscarora.* (Filed as 381.20, #14c)

443. EASTERN PART OF ANDREANOF GROUP, ALEUTIAN ISLANDS. 1855. 1 item (2 sections).

"U.S. North Pacific Surveying Expedition, Comdr. John Rodgers, U.S.N., Comg. Original Working Sheet No. 4 By the U.S. Schr. *Fenimore Cooper* . . . August 1855." Manuscript chart covering part of the "Andreanovski" group, including Atka and surrounding islands (longitudes 171° to 176° 25′ W.) and showing the ship's tracks, a few soundings, and island topography. Insets: views of approach to Korovinskoi Bay (Atka Island), Seguam Island, and Amoughta (Amukta) Island. 1 inch to approx. 3 nautical miles. (Filed as 181.36, #74)

444. ANDREANOF GROUP AND PART OF FOX ISLANDS, ALEUTIAN ISLANDS. 1855. 1 item.

"U.S. North Pacific Surveying Expedition, Lieutenant John Rodgers, Commanding. Aleutian Archipelago. Sheet No. 2, By the U.S. Schr. *Fenimore Cooper* . . . July & August 1855. And from Russian Authorities." Manuscript chart, reduced for engraving as H.O. chart No. 8, covering the "Andreanowski" Group and part of the Fox Islands, including the Islands of the Four Mountains (longitudes 169° to 178° W.) and showing topography of the islands and contains sailing directions and descriptive notes on the Aleutians. Insets: plans of Bay of Waterfalls (southwest part of Adak Island) and Nazan Bay (Atka Island); and views of Korovinskoi Bay (Atka Island), Seguam Island, and Amoughta (Amukta) Island. 1 inch to approx. 10 nautical miles. (Filed as 181.36, #73)

445. ANDREANOF GROUP AND PART OF FOX ISLANDS, ALEUTIAN ISLANDS. 1902. 1 item.

Published chart of the "Andreanovski Group and Fox Islands" (H.O. chart No. 8, dated 1901), annotated to show the track of the U.S. Revenue cutter *McCulloch* and the location of a Nazan Bay survey on Atka Island (see entry 449 for Nazan Bay chart). The base chart is an updated version of the

U.S. North Pacific Surveying Expedition chart described in entry 444. 1 inch to approx. 10 nautical miles (Filed as 553.46, #1)

446. BAY OF WATERFALLS AND VICINITY, ADAK ISLAND, ALEUTIAN ISLANDS. 1855 and 1927. 1 item.

"U.S. North Pacific Surveying Expedition, Comdr. John Rodgers, U.S.N., Ccmdg. Bays in S.W. Peninsula of Adakh Id. Aleutian Archipelago. By the U.S. Schr. *Fenimore Cooper* . . . August 1855." Manuscript chart covering Bay of Waterfalls and adjacent West Bay or Three Arm Bay and showing the ship's track, soundings, and topographic features. Annotated with pencil in 1927 to show the approximate limits of a naval reservation. Approx. 3 inches to 1 nautical mile. (Filed as 181.36, #70)

447. BAY OF WATERFALLS AND VICINITY, ADAK ISLAND, ALEUTIAN ISLANDS. 1901. 1 item.

Manuscript chart showing soundings and place-names and verifying the work of the U.S. North Pacific Surveying Expedition (see entry 446). Approx. 2 1/2 inches to 1 nautical mile. Source: U.S.S. *Concord.* (Filed as 2121.19, #3)

448. CHAPEL COVE IN THE BAY OF WATERFALLS, ADAK ISLAND, ALEUTIAN ISLANDS. 1902. 1 item.

Large-scale manuscript chart of Chapel Cove and Chapel Roads, located in Bay of Waterfalls, southwest part of Adak Island, showing the shoreline, soundings, and a suggested site for a coal depot. Insets: four landscape sketches and a location map of the Bay of Waterfalls. 1 inch to 400 feet. Source: U.S. Revenue cutter *McCulloch.* (Filed as 553.46, #3)

449. NAZAN BAY, ATKA ISLAND, ALEUTIAN ISLANDS. 1902. 1 item.

Large-scale manuscript chart of the inner part of Nazan Bay showing Nazan Village (later town of Atka), topography, suggested site for a coal depot, and hydrographic information. Inset: panoramic sketch of Nazan Bay from the entrance. 1 inch to 400 feet. Source: U.S. Revenue cutter *McCulloch.* (Filed as 553.46, #2)

450. ISLANDS OF THE FOUR MOUNTAINS AND PART OF THE FOX ISLANDS GROUP, ALEUTIAN ISLANDS. 1855. 1 item (2 sections).

Incomplete worksheet without title but containing descriptive notes and sailing directions for the Aleutians. Umnak and Unalaska Islands are shown only in the plotting stages, in pencil; outlines of the Islands of the Four Mountains are shown in ink; Amoughta (Amukta), Tchegoula, and Younaska Islands are completed with topographic details. Insets: views of Tchegoula and Amoughta (Amukta) Islands. 1 inch to approx. 3 nautical miles. Source: U.S. North Pacific Surveying Expedition. (Filed as 181.36, #71)

451. ISLANDS OF THE FOUR MOUNTAINS AND BOGOSLOF VOLCANO, ALEUTIANS. 1891. 1 item.

Outline views of islands and small location maps, on one sheet. Source: U.S.S. *Mohican.* (Filed as 183.36, #15)

452. ISLANDS OF THE FOUR MOUNTAINS. 1894. 2 items.

Smooth sheet and rough compilation sheet from reconnaissance survey that show hydrography and topography of islands, with notes on sailing directions. 1 inch to 2 nautical miles. Sources: U.S.S. *Concord* and U.S. Revenue cutter *Corwin.* (Filed as 153.81, #2 and #4)

453. NORTHWEST COAST OF UMNAK ISLAND, ALEUTIAN ISLANDS. 1894. 2 items.

Smooth sheet and rough compilation sheet from reconnaissance survey that show hydrography and notes on coastal topography. 1 inch to 2 nautical miles. Sources: U.S.S. *Concord* and U.S. Revenue cutter *Corwin.* (Filed as 153.81, #1 and #3)

454. BOGOSLOF ISLAND AND VOLCANO, FOX ISLANDS GROUP, ALEUTIAN ISLANDS. 1884. 1 item.

Manuscript chart showing hydrography and topography. The title refers to the "Hague

Volcano." Inset: landscape view. Approx. 8 inches to 1 nautical mile. Source: U.S.S. *Ounalaska*, assigned to the Alaska exploring expedition under the command of Lt. George M. Stoney. (Filed as 183.30)

455. CHERNOFSKY HARBOR, UNALASKA ISLAND, ALEUTIAN ISLANDS. 1893. 1 item.

Tracing of survey chart showing harbor soundings, anchorages, and a village with church and storehouse. 6 inches to 1 nautical mile. Source: U.S.S. *Mohican.* (Filed as 481.25)

456. DUTCH HARBOR, UNALASKA, ALEUTIAN ISLANDS. 1893. 3 items.

Tracing of survey chart showing soundings in the outer channel and harbor, the North American Commercial Co. stores, a church, and the Alaska Commercial Co. store at Iliuliuk. Two attached sheets show enlarged plans of Spithead and North American Co. stores and a wharf. Scale of main chart, 1 inch to 1,000 feet. Source: U.S.S. *Mohican.* (Filed as 481.4)

457. ISANOTSKI PASS (FALSE PASS), BETWEEN UNIMAK ISLAND AND THE ALASKA PENINSULA. 1894. 3 items.

Three versions (tracing, blueprint copy, and printed copy) of the same chart that show hydrography, sailing directions, coastal topography, Morzhovoi Village, and a church. 1 inch to 1,000 yards. Source: U.S. Fish Commission steamer *Albatross.* (Filed as 1123.38, #1a-#1c)

458. MORZHOVOI BAY, SOUTHWEST END OF ALASKA PENINSULA. 1894. 1 item.

Rough penciled reconnaissance chart, with notes concerning errors in previous charts. Large scale. Source: U.S.S. *Concord.* (Filed as 482.52)

459. CENTRAL PART OF ALASKA PENINSULA FROM PAVLOF BAY AND SHUMAGIN ISLANDS TO MESHIK (PORT HEIDEN). 1903. 1 item.

Blueprint map of the central part of the Alaska Peninsula made for the Pacific-Alaska Transportation and Coal Co. by D. G. Barstow, a resident. A related letter (filed among the corresponding textual records) explains corrections to existing maps. Legend reads, "Compiled from latest available records but as no official survey has been made of this coast, navigators must use due caution." The map shows topography, a river, islands, canneries, villages, and locations of copper and silver deposits. 1 inch to 5 nautical miles. (Filed as 463.32)

460. BALBOA BAY (PORTAGE BAY), SOUTH COAST OF ALASKA PENINSULA. 1893. 1 item.

Tracing of reconnaissance chart showing the shoreline, hills, marshes, lagoons, and soundings. 1 inch to 100 yards. Source: U.S. Fish Commission steamer *Albatross.* (Filed as 481.35)

460a. SHUMAGIN ISLANDS. 1872. 1 item.

Tracing of a U.S. Coast Survey reconnaissance chart showing a few soundings, topography, and shorelines that were not fully examined. 1:1,000,000. Source is not shown. (Filed as 183.16, #1)

460b. COAL HARBOR, ZACHAREFFSKAIA BAY, UNGA ISLAND, SHUMAGIN ISLANDS. 1872. 1 item.

Tracing, stamped "George Davidson," of a U.S. Coast Survey reconnaissance chart showing soundings; coastal topography; sailing directions; and notes about edible shellfish, water, and lignite. 1:10,000. (Filed as 183.16, #4)

460c. POPOF STRAIT AND HUMBOLDT HARBOR, SHUMAGIN ISLANDS. 1872. 1 item.

Tracing, stamped "George Davidson," of a U.S. Coast Survey chart showing soundings, shoreline features, triangulation points, and sailing directions. 1:10,000. (Filed as 183.16, #3)

461. POPOF STRAIT AND HUMBOLDT HARBOR, SHUMAGIN ISLANDS. 1893. 1 item.

Reduced copy of a Coast Survey chart (unnumbered, dated 1872), annotated to show buoy locations. Approx. 2 inches to 1 nautical mile. Source: U.S. Fish

Commission steamer *Albatross.* (Filed as 383.17, #1)

462. MIST HARBOR, NAGAI ISLAND, SHUMAGIN ISLANDS. 1893. 1 item.
Reconnaissance chart (tracing) showing soundings and a few shoreline features. 1 inch to 80 yards. Source: U.S. Fish Commission steamer *Albatross.* (Filed as 383.17, #4)

462a. SANBORN HARBOR, NAGAI ISLAND, SHUMAGIN ISLANDS. 1872. 1 item.
Tracing of a U.S. Coast Survey chart showing soundings, the shoreline, triangulation points, and sailing directions. 1:10,000. Source is not shown. (Filed as 183.16, #2)

462b. PORPOISE HARBOR, NAGAI ISLAND, SHUMAGIN ISLANDS. 1872. 1 item.
Tracing, stamped "George Davidson," of a U.S. Coast Survey chart showing depth curves, the shoreline, and triangulation points. 1 inch to 200 meters. (Filed as 183.16, #5)

463. SANDY COVE, LITTLE KONIUSHI ISLAND, SHUMAGIN ISLANDS. 1893. 1 item.
Reconnaissance chart (tracing) showing soundings, the anchorage of the *Albatross,* and a few shoreline features. 6 inches to 1 nautical mile. Source: U.S. Fish Commission steamer *Albatross.* (Filed as 383.17, #3)

464. CASTLE BAY AND PART OF CHIGNIK BAY, SOUTH COAST OF ALASKA PENINSULA. 1897-98. 1 item.
Sketch chart of Castle Bay, by Lt. E. H. Durell of the U.S.S. *Wheeling,* 1898, showing a few soundings, an anchorage, and coastal topography. Part of the information was taken from a chart of adjacent Chignik Bay from a survey by the U.S. Fish Commission steamer *Albatross,* 1897. 1:80,000. (Filed as 3111.15)

465. LAZY BAY (PART OF ALITAK BAY), SOUTHWEST COAST OF KODIAK ISLAND. Ca. 1895. 1 item.
Undated manuscript reconnaissance chart, received in the archives of the Hydrographic Office in 1895, showing soundings, the ship's anchorage, and a survey party camp. 1 inch to 2 nautical miles. Source: U.S.S. *Concord.* (Filed as 162.17)

466. ALITAK BAY AND VICINITY, SOUTHWEST COAST OF KODIAK ISLAND. 1899. 1 item.
Sketch chart, furnished by the steamer *Kadiak* of San Francisco and forwarded by the Branch Hydrographic Office at San Francisco, showing Alitak Bay, Lazy Bay, and route "to Alitak Cannery," with sailing directions and descriptions of mountain peaks. Approx. 1 inch to 1 nautical mile. (Filed as 4113.5)

467. CAPE IKOLIK AND CAPE KARLUK VICINITY, WEST COAST OF KODIAK ISLAND. 1899. 1 item.
Sketch chart, furnished by the steamer *Kadiak* of San Francisco and forwarded by the Branch Hydrographic Office at San Francisco, "referring to C.S. chart #8500." It contains five identification sketches of coastal rocks and notes on advantages of various harbors and anchorages and shows soundings and place-names. Approx. 1 inch to 1 nautical mile. (Filed as 4112.50)

TRACK CHARTS OF NAVAL PATROL FLEET IN THE BERING SEA

468. TRACK OF ALLIED FLEET. 1891. 1 item.
Chart on tracing cloth showing, by colored lines, the tracks of the U.S. ships *Mohican, Alert,* and *Thetis,* and H.B.M. ships *Nymphe* and *Pheasant.* 1 inch to approx. 12 nautical miles. (Filed as 183.36, #1)

469. POSITIONS OF VESSELS WARNED OR SEIZED. 1891. 1 item.
Tracing, prepared in 1892 by the Hydrographer from official records, showing the

names of vessels and their positions when warned or seized during 1891 in pursuance of the June 15, 1891, proclamation of the President of the United States. Small scale. (Filed as 481.37, #1)

470. TRACKS OF U.S.S. "ALERT." 1891. 2 items.
Two charts showing locations of fog and seals sighted between the Aleutian and Pribilof Islands. 1 inch to approx. 50 nautical miles and 1 inch to approx. 18 nautical miles. (Filed as 183.36, #9 and #12)

471. TRACKS OF U.S.S. "MARION." 1891. 2 items.
Tracings showing numbers of whales and seals sighted in the vicinity of the Pribilof Islands. One sheet shows the *Marion's* contact with the sloop *Challenge* on August 29. 1 inch to approx. 12 nautical miles. (Filed as 183.36, #7 and #8)

472. TRACKS OF U.S.S. "THETIS." 1891. 3 items.
One worksheet and two tracings showing soundings and seals sighted in the vicinity of the Pribilof Islands. The worksheet (#4) also shows the names and positions of schooners boarded. 1 inch to approx. 20 nautical miles. (Filed as 183.36, #4-#6)

473. TRACKS OF U.S.S. "THETIS." 1891. 1 item.
Manuscript chart on tracing cloth showing "cruising grounds outside of Bering Sea" from Unimak Island to the Shumagin Islands, along the south coast of the Alaska Peninsula; harbors; the ship's tracks; and names of vessels encountered. 1 inch to approx. 6 nautical miles. (Filed as 183.36, #13)

474. TRACKS OF U.S.S. "MOHICAN." 1891. 3 items.
Charts showing soundings, mileage covered, and seals sighted in the vicinity of the Pribilof and Aleutian Islands. One chart (#14) contains eight profile views. Scales vary. (Filed as 183.36, #14, #16, and #17)

475. TRACK OF U.S. NAVAL FORCE. 1892. 1 item (2 sections).
Published charts—a western sheet covering the Bering Sea-Pribilof Islands area and an eastern sheet covering the Gulf of Alaska. Colored lines show the tracks of the U.S. ships *Yorktown, Mohican, Adams,* and *Ranger* and the U.S. Revenue cutters *Corwin, Rush,* and *Bear.* 1 inch to approx. 25 nautical miles. (Filed as 183.36, #2 and #3)

476. TRACK OF U.S. NAVAL FORCE. 1893. 2 items.
Two tracings, each in two sections: a western sheet covering the Bering Sea-Pribilof Islands area and an eastern sheet covering the Gulf of Alaska. Shown are the tracks of the U.S. ships *Mohican, Ranger,* and *Petrel,* the U.S. Revenue cutters *Corwin, Rush,* and *Bear,* and the U.S. Fish Commission steamer *Albatross.* For each ship, legends give track symbols, commanders, and distances cruised. 1 inch to approx. 30 nautical miles. (Filed as 481.37, #2 and #3)

477. SEA OBSERVATIONS BY THE U.S. FISH COMMISSION STEAMER "ALBATROSS." 1893. 1 item.
Manuscript list of animal life, driftwood, kelp, and other features observed during May and June 1893 on a cruise from Washington to the Gulf of Alaska and the Aleutian Islands. (Filed as 383.17, #2)

478. TRACKS OF U.S.S. "RANGER." 1893. 2 items.
One chart covers the vicinity of the Pribilof Islands; the other covers the vicinity of the Agattu and Attu Islands, Aleutians. Both charts show soundings. Scales vary. (Filed as 383.45; 481.37, #4)

479. TRACKS OF U.S. NAVAL FORCE. 1894. 2 items.
Tracing showing the positions, dates, and numbers of seals sighted (1 inch to approx. 30 nautical miles); and general track chart

in two sections, a western sheet covering the Bering Sea-Pribilof Islands area and an eastern sheet covering the Gulf of Alaska (1 inch to approx. 40 nautical miles). The general track chart shows the tracks of the U.S. ships *Mohican, Concord, Petrel, Adams, Yorktown, Ranger,* and *Alert,* the U.S. Revenue cutters *Corwin* and *Bear,* and the U.S. Fish Commission steamer *Albatross.* (Filed as 291.17, #1, #2a, and #2b)

480. TRACKS OF INDIVIDUAL SHIPS OF THE U.S. NAVAL FORCE. 1894. 10 items.
Tracings of track charts for the U.S. ships *Mohican, Concord, Petrel, Adams, Yorktown, Ranger,* and *Alert,* the U.S. Revenue cutters *Corwin* and *Bear,* and the U.S. Fish Commission steamer *Albatross* in the Bering Sea and the Gulf of Alaska. Scales are not shown. (Filed as 291.18, #1-#10)

SOUTH-CENTRAL ALASKA

481. COOK INLET AND CAPE ST. ELIAS, GULF OF ALASKA. 1898. 1 item.
Published chart of Gulf of Alaska (Coast and Geodetic Survey chart No. 8500, dated 1897), annotated in 1898 to show soundings in Cook Inlet and offshore from Copper River and the corrected position of Cape St. Elias (Kayak Island). Additional penciled annotations apparently show track of ship. 1:1,200,000. Source: U.S.S. *Wheeling.* (Filed as 1101.49)

482. PORT VALDEZ AND APPROACHES, PRINCE WILLIAM SOUND. 1898. 1 item.
Tracing showing the shoreline, notes on topography, and the track of the U.S.S. *Wheeling* from Port Gravina to Port Valdez. Inset: plan of Swansdown Harbor on the south side of Port Valdez Bay. 1 inch to 1 nautical mile. (Filed as 2111.43)

483. CABLE SOUNDINGS FROM VALDEZ TO SEWARD. 1907. 1 item.
"Plan showing soundings taken by U.S. Cable Ship *Burnside* over route of cable between Valdez and Seward." Blueprint showing the shoreline and place-names in Prince William Sound area. 1:900,000. (Filed as 471.16)

SOUTHEAST ALASKA

484. CENTRAL PART OF SOUTHEAST ALASKA. 1867. 1 item.
"Chatham and Peril Straits &C. From a Russian chart Corrected." Tracing, by E. C. Merriman of the U.S.S. *Pensacola* (1869), of a chart drawn during an earlier reconnaissance by the U.S.S. *Saginaw* (1867). It covers the central part of Southeast Alaska bounded by latitudes 56° and 58° N. and longitudes 133° and 136° W. and shows place-names, Indian settlements, passages for canoes, navigation hazards, and the locations of Sitka and Old Sitka (1802), Kootznahoo, and Old Kootznahoo. A graphic index shown on this chart gives the coverage of numerous smaller sheets of the 183.7 file described in entries 485, 490, 493, 495-501, 508, 509, and 511-513. 1 inch to approx. 10 nautical miles. (Filed as 183.7, #20)

485. HARBORS IN SOUTHEAST ALASKA. 1869. 1 item.
Manuscript composite (on one sheet) of four small harbor plans. The surveys were originally made by the U.S.S. *Saginaw* in 1869, but the chart apparently was received from the U.S.S. *Jamestown* in 1880. Included are Security Bay, north coast of Kuiu (Kou) Island; Pyramid Island Harbor, Chilkat Inlet (mouth of Chilkat River); Taku (Tacou) Harbor, adjoining Stephens Passage; and Pavlof Harbor, Freshwater Bay, east coast of Chichagof Island. The plans show soundings and shorelines; some also show adjacent forts, villages, and fisheries. Scales vary. (Filed as 183.7, #1)

486. RECONNAISSANCE SKETCHES IN SOUTHEAST ALASKA. 1880. 1 item.
Composite of five small charts on one sheet—Willoughby Cove, Sherman or Lemesurier Island, Cross Sound; Swanson's Harbor, Point Couverden; William Henry Bay, Lynn Canal; Portage Bay, Chilkoot Inlet; and Whitestone Narrows, Sitka Sound. The charts show soundings, topography, villages, and trading posts. Scales vary. Source: U.S.S. *Jamestown.* (Filed as 183.3, #3)

487. ALEXANDER ARCHIPELAGO (SOUTHEAST ALASKA). 1880. 1 item.

"Tracing of Hydrographic Chart No. 225, Title 'South East Coast of Alaska Alexander Archipelago From the British Admiralty Chart: Cordova Bay to Cross Sound, published in 1865. Corrected from surveys by Commander R. W. Meade, Jr. Commanding U.S.S. *Saginaw*, 1869 . . . .' With additional corrections by party of the U.S.S. *Jamestown* Comdr. L. A. Beardslee U.S.N. Comdng. 1880." The tracing shows hydrography, shoreline features, place-names, and settlements. Corrections are in red ink. Insets: plan of Peril Strait between Baranoff and Chichagof Islands (not Sitka Sound as the title indicates), entitled "Tracing of No. 2337 British Admiralty Chart, Title Sitka Sound (The Norfolk Sound of Vancouver) with additional corrections by party of the U.S.S. *Jamestown* . . ."; and plan of Kootznahoo roads and Koteosok Harbor on the west coast of Admiralty Island (see also entries 498-501). Attached to the main chart is a reduced tracing of the central part of Alexander Archipelago. Scale of main chart, 1 inch to approx. 12 nautical miles. Source: U.S.S. *Jamestown.* (Filed as 183.3, #4)

488. FRITZ COVE, DOUGLAS ISLAND, AND SCHULZE COVE, BARANOFF ISLAND. 1880. 1 item.

Two manuscript charts on one sheet showing shorelines, survey observation points, a fishing village at Fritz Cove, and soundings. (Fritz Cove is located on Stephen's Passage near Juneau (latitude 58°19′ N., longitude 134°47′ W.); Schulze Cove is located off Fish Bay near Peril Strait (latitude 57°22′ N., longitude 135°27′ W.).) Large scale. Source: U.S.S. *Jamestown.* (Filed as 183.9, #2)

489. CHILKAT AND CHILKOOT RIVERS, NORTHWEST PART OF LYNN CANAL. 1880. 1 item.

Manuscript chart from a reconnaissance survey showing Indian villages (including numbers of houses and inhabitants), a trading post at Portage Bay, and portage trail between the two rivers. 1 inch to 2 nautical miles. Source: U.S.S. *Jamestown.* (Filed as 183.9, #3)

490. PYRAMID ISLAND BAY (CHILKAT INLET), NORTHWEST LYNN CANAL. 1869. 1 item.

Tracing, by E. C. Merriman of the U.S.S. *Pensacola* (May 1869), of an original drawn during an earlier reconnaissance by the U.S.S. *Saginaw* (January 1869). It covers Pyramid Bay or the mouth of the Chilkat River, shows Pyramid Harbor ("Trading anchorage of Hudson's Bay Co.'s Steamers"), and contains the following notes: "Tchillcat or Chilcat Country. Natives warlike and unfriendly . . . the tribes quite powerful numbering 1500 warriors." "Tchillcat River. It is said that a channel exists in the river and that a vessel of 15 ft. draft can ascent 10 miles." Approx. 2 inches to 1 nautical mile. (Filed as 183.7, #2)

491. LYNN CANAL, FROM BERNERS BAY TO POINT COUVERDEN, INCLUDING FAVORITE CHANNEL AND SAGINAW CHANNEL. 1880. 2 items.

Manuscript enlargement of a part of published H.O. chart No. 225 and tracing, both containing corrections in red ink. The shoreline, hydrography, and place-names are shown. 1 inch to 2 nautical miles. Source: U.S.S. *Jamestown.* (Filed as 183.9, #1 and #5)

492. HOONAH (HOONYAH) HARBOR, NORTH COAST OF CHICHAGOF ISLAND. 1880. 1 item.

Manuscript chart of the harbor showing buildings, an Indian village, and hydrographic information. 1 inch to 160 yards. Source: U.S.S. *Jamestown.* (Filed as 183.9, #4)

493. PAVLOF HARBOR, FRESHWATER BAY, EAST COAST OF CHICHAGOF ISLAND. 1867. 1 item.

Tracing, by E. C. Merriman of the U.S.S. *Pensacola* (1869), of a chart from an 1867 survey by the U.S.S. *Saginaw.* The area is identified as "Freshwater Bay," but the tracing covers only the small part of the

Bay that is now called Pavlof Harbor. The chart shows soundings, the shoreline, "Pinnacle Rock," waterfalls, and an Indian salmon fishery. Large scale. (Filed as 183.7, #14)

494. SOUTHWEST COAST OF CHICHAGOF ISLAND. 1893. 2 items.

Manuscript charts from a reconnaissance survey, including a chart of the southwest coast of the island showing soundings, the shoreline, and offshore islands Coontz, Hofstad, Sigsbee, and Klokachef; and an enlarged plan of Craven anchorage, located off Portlock Harbor (between Coontz and Hofstad Islands). Scale of main coast chart, 1 inch to approx. 3 1/2 nautical miles. Source: U.S.S. *Pinta.* (Filed as 481.6)

495. ADMIRALTY COVE (AWKE HARBOR), NORTH COAST OF ADMIRALTY ISLAND. 1867. 1 item.

Tracing, by E. C. Merriman of the U.S.S. *Pensacola* (1869), of a chart from an 1867 survey by the U.S.S. *Saginaw.* It shows soundings, mudflats, an Indian burial ground, and "Awke Village Stockaded." 1 inch to 250 yards. (Filed as 183.7, #18)

496. TAKU (TACOU) HARBOR, STEPHEN'S PASSAGE. 1867. 1 item.

Tracing, by E. C. Merriman of the U.S.S. *Pensacola* (1869), of a chart from an 1867 survey by the U.S.S. *Saginaw.* It shows soundings, houses, and stockades. 1 inch to 300 yards. (Filed as 183.7, #15)

497. HOLKAM BAY, STEPHEN'S PASSAGE. 1867. 1 item.

Tracing, by E. C. Merriman of the U.S.S. *Pensacola* (1869), of a chart from an 1867 survey by the U.S.S. *Saginaw.* It shows soundings, the track of the *Saginaw,* the shoreline, and a glacier and contains a landscape view of Midway Island and the note "Soundon or Soundom Tribe (branch of the Kakous). Stockade on Soundun id." Scale is not shown. (Filed as 183.7, #16)

498. KOOTZNAHOO INLET VICINITY, WEST COAST OF ADMIRALTY ISLAND. 1869. 1 item.

"Reconnoissance [sic] of Kootznahoo Archipelago By Midn. E. W. Bridge and J. E. Pillsbury of the USS *Saginaw* Comdr. R. W. Meade Jan'y 1869 . . . Copied May 1869 by Lt. Comdr. E. C. Merriman [of the U.S.S. *Pensacola*]." Tracing covering area from Danger Point (entrance to inlet) to Mitchell's Bay and showing channel depths, Kootznahoo village, and other placenames. Inset: "Plan of Mitchell's Bay, Kootznahoo Archipelago . . ." showing an anchorage, a wood station, and coal mines. Approx. 2 inches to 1 nautical mile. (Filed as 183.7, #17)

499. KOOTZNAHOO INLET VICINITY, WEST COAST OF ADMIRALTY ISLAND. 1869. 1 item.

"Plan of Kootznahoo Roads and Inlet and Koteosok Harbor (Alaska). By Midn. E. W. Bridge and J. E. Pillsbury of the U.S.S. *Saginaw* Commander R. W. Meade. From Bold Cliff to Distant Pt. is taken from a Russian chart furnished by Prince Maksontoff, late Governor of Russian America. Copied April 1869 E. C. Merriman Lt. Comdr. Nav. USS *Pensacola.*" Tracing covering Hood's Bay, Kenasnow Island, entrance to Kootznahoo Inlet, and channels to Mitchell's Bay. Area around Kootznahoo Archipelago is marked "Unexplored." The chart shows soundings, anchorages, Kootznahoo village, the proposed site of Fort Kootznahoo, a proposed road, wood stations, and coal mines at Mitchell's Bay. 1 inch to approx. 1 1/4 nautical miles. (Filed as 183.7, #4)

500. KOOTZNAHOO INLET VICINITY, WEST COAST OF ADMIRALTY ISLAND. Ca. 1869. 1 item.

"Plan of Kootznahoo Roads and Inlet and Koteosok Harbor." Source is not given, but this manuscript chart on paper is similar to the one described in entry 499 and probably was received from the U.S.S. *Saginaw* or E. C. Merriman of the U.S.S. *Pensacola.* It covers Hood's Bay, Kenasnow Island, entrance to Kootznahoo Inlet, and channels to Mitchell's Bay and shows soundings, anchorages, Kootznahoo village, the proposed site of Fort Kootznahoo, a proposed

road, wood stations, and a "Coal mine opened July 1868 by Lt. Com. J. G. Mitchell." Inset: sketch of entrance to Kootznahoo Inlet. The chart is annotated, in pencil, with boundaries and corrections, apparently notes to the draftsman. 1 inch to approx. 1 1/4 nautical miles. (Filed as 183.7, #21)

501. KOOTZNAHOO INLET VICINITY, WEST SIDE OF ADMIRALTY ISLAND. Ca. 1869. 1 item.

"Plan of Kootznahoo Roads and Koteosok Harbor," apparently a reduced copy of the chart described in entry 500. 1 inch to 1 1/2 nautical miles. (Filed as 183.7, #3)

502. SITKA HARBOR, WEST COAST OF BARANOFF ISLAND (POSITION PLOTTING CIRCLES). Ca. 1879-80. 3 items.

Manuscript circular charts showing azimuthal directions to various points in the harbor. Source: U.S.S. *Jamestown.* (Filed as 183.2)

503. SITKA SOUND, WEST COAST OF BARANOFF ISLAND. 1880. 1 item.

Tracing of "an English chart which with a few corrections was copied from the Russian chart of 1848." It shows hydrography, the shoreline, place-names, and some topography. Approx. 1 inch to 2 nautical miles. Source: U.S.S. *Jamestown.* (Filed as 183.3, #2)

504. SITKA HARBOR AND VICINITY, WEST COAST OF BARANOFF ISLAND. 1879. 1 item.

Chart on tracing cloth, covering Sitka and surrounding waters and islands, including part of Baranoff Island. It shows hydrographic information, shorelines, topography, buildings in Sitka, and an adjacent Indian village and contains notes on tides. 5 inches to 1 nautical mile. Source: U.S.S. *Jamestown.* (Filed as 183.5)

505. SYMONDS BAY, BIORCA ISLAND, SITKA SOUND, WEST COAST OF BARANOFF ISLAND. 1879. 1 item.

Tracing of a British Admiralty chart showing hydrography, topography, observation points, buildings, a watering place, and sailing directions. Inset: reduced plan of Sitka Sound showing locations of Biorca Island and the Jamestown Beacon on Vitzkari Island. 1 inch to 160 yards. Source: U.S.S. *Jamestown.* (Filed as 183.4)

506. SITKA HARBOR BEACONS, WEST COAST OF BARANOFF ISLAND. 1880. 1 item.

Plans of the beacons on Vitzkari Island and Mokhnatoi or Wooded Island, with notes. Source: U.S.S. *Jamestown.* (Filed as 183.3, #1)

507. SITKA HURRICANE. 1880. 2 items.

Chart, on tracing paper, showing the track of the hurricane of October 26, 1880, through Sitka Sound, and graph showing "barometric action during Sitka Hurricane." 1 inch to approx. 16 nautical miles. Sources: U.S.S. *Jamestown.* (Filed as 183.10)

508. SECURITY BAY AND SNUG HARBOR, NORTH COAST OF KUIU (KOU) ISLAND. 1867. 1 item.

Tracing, by E. C. Merriman of the U.S.S. *Pensacola* (1869), of a chart from an 1867 survey by the U.S.S. *Saginaw.* It shows the track of the "boat expedition," fishing villages and ranches destroyed by the *Saginaw,* the location of "Kake Indians hostile treacherous & savage," and anchorages. Approx. 2 inches to 1 nautical mile. (Filed as 183.7, #19)

509. WRANGELL NARROWS, BETWEEN MITKOFF AND KUPREANOF ISLANDS. 1869. 1 item.

Tracing, by E. C. Merriman of the U.S.S. *Pensacola* (May 1869), of a chart from a survey by the U.S.S. *Saginaw* (March 1869). It shows hydrographic information. 1 inch to approx. 1 1/2 nautical miles. (Filed as 183.7, #10)

510. WRANGELL NARROWS, BETWEEN MITKOFF AND KUPREANOF ISLANDS. 1884. 2 items.

Blueprint plans of "Wrangell Strait" from a hydrographic reconnaissance survey. Large scale. Sources: U.S.S. *Adams* and the U.S. Coast Survey ship *Hassler.* (Filed as 182.4)

511. STIKINE RIVER. 1869. 1 item.
"Stikeen River (gold country)." Small tracing, by E. C. Merriman of the U.S.S. *Pensacola,* possibly of an original drawn during an earlier voyage of the U.S.S. *Saginaw.* It shows Etoline Harbor, Shakes Creek, Shakesville, and a trading village. Scale is not shown. (Filed as 183.7, #12)

512. SOUCHOI CHANNEL, STIKINE RIVER. 1869. 1 item.
"Rough Plan of entrance to Souchoi Channel Stickeen River (Gold Region)." Small tracing, possibly copied from an original drawn during an earlier voyage of the U.S.S. *Saginaw.* It shows Gray's Island, soundings, and shoals. Scale is not shown. Source: U.S.S. *Pensacola.* (Filed as 183.7, #11)

513. ETOLIN BAY AND FORT WRANGELL, WRANGELL ISLAND. 1869. 1 item.
"Bay of Etholine." Small tracing, by E. C. Merriman of the U.S.S. *Pensacola,* probably of an original drawn during an earlier voyage of the U.S.S. *Saginaw.* It shows soundings and place-names, with the note "Fort Wrangell has 70 U.S. troops." Scale is not shown. (Filed as 183.7, #13)

514. ETOLIN HARBOR AND HIGHFIELD ANCHORAGE, WRANGELL ISLAND. 1891. 1 item.
Published chart of part of Wrangell Island (Coast and Geodetic Survey chart No. 729, dated 1888), annotated to show a shoreline change and the location of the cannery at Highfield Anchorage. The base chart shows buildings at Fort Wrangell. 1:10,000. Source: U.S.S. *Pinta.* (Filed as 182.51)

515. STEAMER ROUTES IN CORDOVA BAY, SOUTH COAST OF PRINCE OF WALES ISLAND (DIXON ENTRANCE). 1896. 1 item.
"Tracing of plan of Cordva [sic] Bay, from chart made by Capt. P. H. Mason of the steamer *Jeanie.* Dotted line in red is track taken by steamers who are very familiar with locality. Capt. Mason recommends the route as drawn in full red line." Cordova Bay is spelled "Cordeau Bay" on tracing, which was forwarded by the Branch Hydrographic Office at San Francisco and which shows place-names, an Indian village, an anchorage, and a fishery in what is now Hunter Bay. 1 inch to 1 nautical mile. (Filed as 493.34)

516. CLARENCE STRAIT AND COAST OF PRINCE OF WALES ISLAND. 1900. 1 item.
Published chart (Coast and Geodetic Survey chart No. 8100, dated 1899), annotated to show corrections in dangers to navigation, especially dangerous rocks. 1:200,000. Source: D.G.S. *Quadra.* (Filed as 5112.2)

517. TONGASS NARROWS AND REVILLAGIGEDO CHANNEL, SOUTHEAST OF PRINCE OF WALES ISLAND. 1880. 1 item.
Tracing of the shoreline and islands "From running notes by Wm. E. George, Pilot." 1 inch to 1 nautical mile. Source: U.S.S. *Jamestown.* (Filed as 183.8)

Canada

(For northern Canada, see Arctic Region.)

EAST COAST

518. GRAND BANKS OF NEWFOUNDLAND. 1880. 3 items.
Manuscript charts showing the results of a search for shoals. Individual shoals or "patches," with their common names, and the ship's tracks are included. Scales vary. Source: U.S.S. *Alliance.* (Filed as 141.17)

519. WRECKS ON COAST OF NEWFOUNDLAND. 1904. 1 item.
"Map [of Newfoundland coast] Showing the Position of Wrecks Around the Coast [1831-1903]. Compiled by R. White April 1903. Corrected to December 1903." Blueprint accompanying a printed pamphlet, "List of Wrecks on the Coast of Newfoundland to 31st December, 1903," compiled by R. White, St. Johns, Newfoundland (the pamphlet is filed among the related textual records of the Hydrographic Office). The chart shows numerous shipwrecks; names of ships and dates are given in most cases. Approx. 1:750,000. (Filed as 572.16)

520. WRECKS ON SOUTHEAST COAST OF NEWFOUNDLAND. 1903. 1 item.

Blueprint showing 77 shipwrecks (1876-1901) along the Avalon Peninsula from St. Mary's Bay eastward to Bay Bulls. Related textual data refer to "wrecks caused by currents." Names of ships and dates are shown. Large scale. Source: Department of Marine and Fisheries, Canada. (Filed as 563.36)

521. TELEGRAPH STATIONS IN VICINITY OF GULF OF ST. LAWRENCE. 1905. 1 item.

Telegraph chart of the Gulf and lower St. Lawrence River, published in 1898 by the Department of Marine and Fisheries, Canada, and annotated to show Marconi Telegraph stations in operation and under construction as of 1905. It covers Newfoundland, Nova Scotia, New Brunswick, and Sable Island. 1 inch to approx. 30 nautical miles. (Filed as 171.38)

522. AMHERST HARBOR, MAGDALEN ISLANDS, GULF OF ST. LAWRENCE. 1888. 1 item.

Tracing, forwarded by the Deputy Minister of Marine, Ottawa, Canada, showing depth curves, topography, buildings, and roads. 1 inch to 400 feet. (Filed as 151.36)

523. CARDIGAN BAY, PRINCE EDWARD ISLAND, GULF OF ST. LAWRENCE. Ca. 1890. 1 item.

Published chart of Cardigan Bay (H.O. chart No. 1077, dated 1888), annotated with line showing entrance to harbor and forwarded by the U.S. consul in Georgetown, Prince Edward Island. The base chart shows coastal roads, dwellings, and other features. 2 inches to 1 nautical mile. (Filed as 151.38)

524. PICTOU HARBOR, NOVA SCOTIA, GULF OF ST. LAWRENCE. 1890. 1 item.

Published chart of Pictou Harbor (H.O. chart No. 1076, dated 1888), annotated to show additional lights and a railroad bridge and forwarded by the U.S. consul [Nova Scotia(?)]. The base chart shows coastal roads, dwellings, and other features. 3 inches to 1 nautical mile. (Filed as 143.10)

525. SOUTHEAST NOVA SCOTIA. 1907. 1 item.

Published British Admiralty chart of the southeast coast of Nova Scotia, including St. Mary's River and harbor of Sherbrooke, corrected to 1906 and forwarded by the U.S. consul at Halifax as an enclosure to correspondence relating to entrance to St. Mary's River, Nova Scotia. 1:59,000. (Filed as 541.28)

ST. LAWRENCE RIVER AND THE CANADIAN SHORE OF THE GREAT LAKES

526. ST. LAWRENCE SHIP CHANNEL. 1898 and 1905. 3 items.

Printed Canadian Government charts forwarded to the U.S. Hydrographic Office. One chart, dated 1898, covers the area from Montreal to Quebec at a scale of approximately 1 inch to 4 statute miles. Two charts, dated 1905, cover the area between Montreal and Quebec and between Quebec and Father Point at a scale of 1 inch to approximately 3 statute miles. All contain profiles and information about the status of dredging. (Filed as 3112.50; 533.2, #1 and #2)

527. TORONTO HARBOR, LAKE ONTARIO. 1898. 1 item.

Published chart of Toronto Harbor (H.O. chart No. 1462, dated 1895), annotated by the harbormaster to show positions of buoys and related bearings and forwarded by the Branch Hydrographic Office at Buffalo in 1898. The base chart shows part of the city of Toronto, including street names, railroads, and prominent buildings. Approx. 3 inches to 1 statute mile. (Filed as 1101.26)

528. NORTHEAST SHORE OF LAKE ERIE. 1897. 1 item.

Manuscript version of a chart of the Canadian coast of Lake Erie between Port Colborne and Long Point peninsula, published by the Department of Marine and Fisheries, Ottawa. The legend reads, "This is practically an extension, along the Canadian shore . . . of the U.S. Survey of Lake Erie (1875-77), such stations as the U.S. Lake Survey had on Canadian soil being rebuilt." The chart shows extensive

soundings, roads, canals, and towns. 1 inch to 1 nautical mile. (Filed as 4101.41)

529. DOCKS AT KINGSVILLE, NORTHWEST SHORE OF LAKE ERIE. Ca. 1900. 1 item.
Tracing of a chart, originally prepared by the Department of Public Works, Canada, showing docks and harbor soundings. 1 inch to 80 feet. (Filed as 393.6)

530. MICHIPICOTEN HARBOR, NORTHEAST SHORE OF LAKE SUPERIOR. 1900. 1 item.
"Algoma Central Railway Chart of Michipicoten Harbor, Ontario . . . Oct. 4, 1900." Blueprint copy showing commercial pier and ore docks, harbor soundings, a sawmill, offices, and other buildings. Inset: map showing position of Michipicoten Harbor on Lake Superior. 1 inch to 100 feet. (Filed as 3121.42)

531. NORTH SHORE OF LAKE SUPERIOR IN VICINITY OF THUNDER BAY AND ISLE ROYALE. 1889. 1 item.
Photocopy of published British Admiralty chart No. 321 covering the shore of Lake Superior from Grand Portage Bay to Hawk Islet (dated 1889). Forwarded in 1902 as an enclosure to correspondence relating to the discovery of a shoal by the steamer *Jesse Paulding,* it shows hydrography, coastal topography, and place-names. Inset: track survey of the River Kaministiqui-a in Thunder Bay showing Fort William. 1 inch to approx. 2 1/2 nautical miles. (Filed as 133.12)

532. LAKE NIPIGON AND THUNDER BAY, NORTH SHORE OF LAKE SUPERIOR. 1869. 1 item (2 sections).
"Map of the Thunder Bay and Nipigon Regions to Illustrate a Report on a Geological Exploration made by Robert Bell C.E. F.G.S." Photocopy of a map by the Geological Survey of Canada forwarded by the Branch Hydrographic Office at Duluth in 1901. It shows islands, river mouths, place-names, and settlement survey lines west of Black Bay. 1 inch to 4 statute miles. (Filed as 3121.31, #1 and #2)

533. WRECKS OF THE "ST. ANDREW," "SOVEREIGN," AND "ONTARIO," THUNDER BAY VICINITY, NORTH SHORE OF LAKE SUPERIOR. 1899-1900. 1 item.
Section of a printed chart of the north shore of Lake Superior, annotated to show locations of wrecks and forwarded by the Branch Hydrographic Office at Duluth in 1901. 1:400,000. (Filed as 2122.44)

WEST COAST

534. CHANNELS EAST OF HECATE STRAIT. 1868. 1 item.
"Reconnaissance of the route from Safety Cove to Metlacatlah from the Admiralty survey of 1866." A tracing, apparently by E. C. Merriman of the U.S.S. *Pensacola,* of an original drawn during a voyage of the U.S.S. *Saginaw.* It covers the channels east of Princess Royal Island and Pitt Island, including Grenville Channel, Fraser Reach, Tolmie Channel, and Milbank Sound, with large-scale insets of Carter Bay and Home (Holmes) Bay, and shows soundings, shorelines, and place-names. 1 inch to approx. 4 nautical miles. (Filed as 183.7, #5)

535. KHUTZE INLET, TOLMIE CHANNEL (EAST OF PRINCESS ROYAL ISLAND). 1902. 1 item.
"Plan of Khutze Inlet Surveyed . . . August 1902 by Lt. Col. Wm. P. Anderson Chief Engineer Department Marine and Fisheries Canada." Blueprint copy showing the shoreline, selected soundings, and topography. Approx. 1:825,000. (Filed as 382.30)

536. ANCHORAGES EAST OF HECATE STRAIT. 1900. 1 item.
Published charts of five local anchorages on one sheet (British Admiralty chart No. 1462, ca. 1889), annotated with corrections at Klemtu Passage (Finlayson Channel) and Bela Kula Anchorage (Burke Channel). Shown are an Indian village at Klemtu and a road to Bela Kula. Scales vary. Source: D.G.S. *Quadra.* (Filed as 3121.49, #2)

537. SOUTHERN PART OF CHATHAM SOUND FROM STUART ANCHORAGE TO TUGWELL ISLAND. 1868. 1 item.

Tracing, apparently by E. C. Merriman of the U.S.S. *Pensacola,* of an original drawn during a voyage of the U.S.S. *Saginaw.* Shown are soundings, shorelines, and placenames. Approx. 1 inch to 4 nautical miles. (Filed as 183.7, #6)

538. STUART ANCHORAGE, PITT ISLAND (NORTH END OF GRENVILLE CHANNEL). 1868. 1 item.

Tracing, apparently by E. C. Merriman of the U.S.S. *Pensacola,* of an original drawn during a voyage of the U.S.S. *Saginaw.* Shown are shorelines and soundings. Approx. 3 inches to 1 nautical mile. (Filed as 183.7, #7)

539. NORTH PART OF FITZHUGH SOUND AND FISHER CHANNEL IN VICINITY OF KING ISLAND AND HUNTER ISLAND. Ca. 1868. 1 item.

Tracing, apparently by E. C. Merriman of the U.S.S. *Pensacola,* of an original drawn during a voyage of the U.S.S. *Saginaw.* Coverage includes Seaforth Channel, Lama Passage, and Namu Harbor. Scale is not shown. (Filed as 183.7, #8)

540. CHANNELS ON NORTHEAST COAST OF VANCOUVER ISLAND. 1897. 1 item.

Tracing from a survey by the Provincial Board of Works, forwarded by the Canadian Department of Marine and Fisheries, covering Okisollow Channel, Surge Narrows, and Hole In the Wall Channel. 1 inch to 40 chains. (Filed as 3103.46)

541. WATERS EAST OF VANCOUVER ISLAND. 1900. 2 items.

Published charts of waters east of Vancouver Island (H.O. charts, Nos. 1455 and 1769, both dated 1900), annotated with small corrections relating to soundings and reefs. Scales vary. Source: D.G.S. *Quadra.* (Filed as 2121.9)

542. VANCOUVER ISLAND VICINITY. 1901. 1 item.

Published chart of waters between Vancouver Island and the mainland from Cortes Island south to Bowen Island (H.O. chart No. 1455, dated 1901), annotated with corrections to hydrography, including the addition of Powell River and Lake. 1 inch to 2 nautical miles. Source: D.G.S. *Quadra.* (Filed as 3121.49, #1)

543. VICTORIA HARBOR, VANCOUVER ISLAND. 1891. 1 item.

Tracing of British Admiralty chart No. 576 covering the Victoria Harbor vicinity, with additional information from an intelligence report on the harbor, and showing gun batteries, barracks, special buildings, a circle around the area of "most wealth," and probably gun positions. 6 inches to 1 nautical mile. Source: U.S.S. *Alert.* (Filed as 182.52, #1)

United States

543a. UNITED STATES. 1877. 1 item (4 sections).

Map, published by the Office of the Chief of Engineers, War Department, showing State boundaries, towns, military posts, military and wagon roads, and railroads. 1:5,000,000. (Filed as 141.96)

544. DEPTHS OF U.S. PORTS ON THE ATLANTIC, GULF, AND PACIFIC COASTS. Ca. 1895-1906. 1 item.

Blueprint table, arranged geographically from Maine to Alaska and stamped on reverse side with dates "1895" and "1906," listing depths outside the 3-fathom line in approximately 140 bays and anchorages. Columns show depth categories from "19 feet" to "28 feet and over." The information apparently was obtained from the Office of Naval Intelligence. (Filed as 563.10)

GREAT LAKES (EXCEPT CANADIAN SHORE)

(See also Canada.)

545. PILOT CHART OF THE GREAT LAKES. 1894. 1 item.

Printed Hydrographic Office pilot chart of the Great Lakes, annotated with small corrections by the Department of Marine

and Fisheries, Canada. The base chart contains information about weather, locations and dimensions of locks and canals, and rules for the use of oil to protect vessels in stormy waters. 1 inch to approx. 25 nautical miles. (Filed as 143.50)

546. WEATHER BUREAU METEOROLOGICAL CHARTS OF THE GREAT LAKES. 1897-98. 2 items.
Sample copies of charts printed in November 1897 and April 1898. Reverse sides contain addresses of numerous wind-signal stations. 1:2,500,000. (Filed as 2101.15, #1 and #2; similar charts are filed among Records of the Weather Bureau, Record Group 27.)

Lake Ontario

547. JEFFERSON COUNTY, N.Y. 1895. 1 item.
Printed map of the county, with annotated references to navigation in the St. Lawrence and the adjacent part of Lake Ontario, submitted by the president of the village of Chaumont. The base map shows township boundaries, settlements, post offices, roads, and railroads, with notes on land patents and tracts. 1 inch to 2 statute miles. (Filed as 153.17)

Lake Erie

548. ERIE HARBOR, PA. 1888. 1 item.
Manuscript survey chart showing soundings, wharves, location of waterworks, State soldiers' home, and other prominent buildings. 1:10,000. Source: U.S.S. *Michigan.* (Filed as 151.42)

549. LAKE ERIE WATER LEVELS AT CLEVELAND. N.d. 1 item.
Blueprint graph showing monthly and yearly mean lake levels at Cleveland, Ohio, 1859-96. Source: U.S.S. *Michigan.* (Filed as 593.45, #6)

550. CLEVELAND HARBOR AND CUYAHOGA RIVER, OHIO. 1895. 13 items.
Preliminary worksheets from survey—boat sheets, a triangulation sheet, and a shoreline sheet. Scales vary. Source: U.S.S. *Michigan.* (Filed as 393.4, #28 and #30-#32)

551. CLEVELAND HARBOR AND CUYAHOGA RIVER, OHIO. 1895. 2 items.
Final smooth sheets from survey showing details of hydrography and selected streets, parks, and railroads in the adjacent part of the city. 1 inch to 1,000 feet and 1 inch to 400 feet. Source: U.S.S. *Michigan.* (Filed as 393.4, #24 and #25)

552. CLEVELAND HARBOR AND CUYAHOGA RIVER, OHIO. 1896. 1 item.
Published chart of the Cleveland Harbor vicinity (H.O. chart No. 1547, dated 1896), annotated by the Branch Hydrographic Office at Cleveland to show areas dredged, 1860-75, and new areas to be dredged. The base chart shows harbor soundings and names of city streets and railroad lines near the shore. 1 inch to approx. 140 yards. (Filed as 592.43, #2)

553. SANDUSKY HARBOR, OHIO. 1896. 1 item.
"Map of Sandusky Harbor . . . Made with a view to Securing and Maintaining a Permanent Navigable Channel . . . Next to Cedar Point." Blueprint copy of a U.S. Army Corps of Engineers chart, forwarded by the Branch Hydrographic Office at Cleveland in 1898. 1 inch to 1,700 feet. (Filed as 1101.39)

554. LAKE ERIE NORTH OF SANDUSKY, OHIO. 1896. 8 items.
Records of a survey of part of Lake Erie, including Bass Islands, part of Kelleys Island, and the Ohio shoreline between Marblehead and Moore Point—four preliminary worksheets; a rough compilation sheet; a smooth sheet showing extensive soundings, shorelines, fishnets, stakes, and triangulation points; a tracing showing additional soundings to accompany the smooth sheet; and a sheet of "statistics" (daily records of soundings, volumes, angles, and miles, June to October). Scale of smooth sheet, 1:18,000. Source: U.S.S. *Michigan.* (Filed as 593.45, #7a-#7d and #8a-#8d)

555. ROCK NEAR KELLEYS ISLAND, LAKE ERIE. 1895. 5 items.
Preliminary worksheets and smooth sounding sheet from a search for a reported rock east of Kelleys Island, near Sandusky Harbor. Large scale. Source: U.S.S. *Michigan.* (Filed as 292.44, #5-#9)

556. ROCK NEAR KELLEYS ISLAND, LAKE ERIE. 1896. 1 item.
Tracing showing location of rock. Large scale. Source: U.S.S. *Michigan.* (Filed as 592.6)

557. PELEE PASSAGE, LAKE ERIE. 1895. 1 item.
Tracing showing progress of survey of channel soundings and a newly discovered shoal 3 miles southeast of Pelee Point lighthouse. 1:15,000. Source: U.S.S. *Michigan.* (Filed as 392.20)

558. PELEE PASSAGE, LAKE ERIE. 1895. 5 items.
Four preliminary worksheets and smooth sounding sheet from a survey of shoals. Large scale. Source: U.S.S. *Michigan.* (Filed as 393.2, #23-#28)

559. DETROIT RIVER. 1894. 24 items.
Preliminary sheets from survey—boat sheets, shoreline sheets, a blueprint map of the Detroit River south of Wyandotte showing hydrography (item #19), and a blueprint plat of the village of Trenton, Mich., with an accompanying letter (item #23). Scales vary. Source: U.S.S. *Michigan.* (Filed as 153.51, #2-#19 and #23)

560. DETROIT RIVER. 1894. 1 item.
"Detroit River from Bar Point Lighthouse to Mamajuda Lighthouse." Large smooth survey sheet covering the Detroit River from south of Point Mouillee to Grosse Isle and showing hydrography and topographic features near the shoreline and on the islands of Celeron, Hickory, Bois Blanc, and Grosse Isle, including cultivated areas, railroads, dwellings, and the towns of Trenton, Mich., and Amherstburg, Canada. 1:10,000. 7 x 4 feet. Source: U.S.S. *Michigan.* (Filed as 153.51, #1)

561. DETROIT RIVER. 1895. 1 item.
Published chart of the Detroit River in the vicinity of Trenton, Mich., and Amherstburg, Canada (H.O. preliminary chart No. 1480, based on the 1894 survey by the U.S.S. *Michigan*), annotated by the Branch Hydrographic Office at Cleveland to show additional shoals off Amherstburg. Approx. 3 inches to 1 nautical mile. (Filed as 392.32)

562. DETROIT RIVER. 1901. 1 item.
Blueprint copy of an unidentified chart covering Detroit River from Wyandotte city to the river mouth, annotated in pencil to show newly dredged areas and forwarded by the Branch Hydrographic Office at Cleveland. Scale is not shown. (Filed as 4122.25)

Lake Huron

563. APPROACH TO STRAITS OF MACKINAC. 1899. 1 item.
Manuscript chart showing soundings between Mackinac Island and Round Island. Large scale. Source: U.S.S. *Michigan.* (Filed as 5101.22, #4)

564. MARTIN'S REEF, APPROACH TO STRAITS OF MACKINAC. 1895. 3 items.
Two preliminary sheets and one smooth sounding sheet from a survey in the vicinity of Martin's Reef, located northwest of Bois Blanc Island. Scale of smooth sheet, 1:40,000. Source: U.S.S. *Michigan.* (Filed as 391.26)

565. DETOUR PASSAGE. 1897. 1 item.
Worksheet relating to survey of shoals located west of Drummond Island at latitude 46° N., longitude 83°50′ W. Large scale. Source: U.S.S. *Michigan.* (Filed as 2102.41, chart B)

566. SPECTACLE REEF. 1895. 2 items.
Worksheets from hydrographic survey. Large scale. Source: U.S.S. *Michigan.* (Filed as 293.10)

Lake Michigan

567. APPROACH TO THE STRAITS OF MACKINAC. 1899. 2 items.
Two published charts of the Straits of Mackinac (H.O. chart No. 1581, dated 1899), annotated to show lines of soundings in the Lake Michigan area swept by the U.S.S. *Michigan.* The base charts cover adjacent parts of Lakes Michigan and Huron. 1 inch to 3 statute miles. (Filed as 5101.22, #2 and #3)

568. LANSING SHOAL, NORTHERN LAKE MICHIGAN. 1899. 1 item.
Manuscript chart showing soundings and buoys in the vicinity of Lansing Shoal, located north of Squaw Island, Garden Island, and Beaver Island. Large scale. Source: U.S.S. *Michigan.* (Filed as 5101.22, #1)

569. WAUGOSHANCE LIGHTHOUSE VICINITY, APPROACH TO STRAITS OF MACKINAC. 1895. 3 items.
Two preliminary sheets and smooth sheet showing soundings, light vessels, and shoals in waters near the lighthouse. 1 inch to approx. 2,500 feet. Source: U.S.S. *Michigan.* (Filed as 391.27)

570. WRECK OF SCHOONER "ELLSWORTH" NEAR WAUGOSHANCE LIGHTHOUSE. 1897. 1 item.
Worksheet from examination of wreck. Large scale. Source: U.S.S. *Michigan.* (Filed as 2102.41, chart D)

571. SHOALS SOUTHEAST OF GRAYS REEF. 1897. 1 item.
Worksheet from examination of shoals. Large scale. Source: U.S.S. *Michigan.* (Filed as 2102.41, chart C)

572. GRAYS REEF PASSAGE. 1900. 7 items.
Preliminary worksheets from survey—boat sheets and tracing overlays showing soundings. The overlays are partly illegible. Large scale. Source: U.S.S. *Michigan.* (Filed as 1122.8, #1-#4, #7-#8, and #10)

573. GRAYS REEF PASSAGE. 1900. 1 item.
Large-scale "projection sheet" showing results of survey, including shorelines and numerous soundings. 1 inch to approx. 300 yards. Source: U.S.S. *Michigan.* (Filed as 1122.8, #5)

574. BEAVER ISLAND SHOAL (RICHARD'S REEF). 1895. 3 items.
Two preliminary sheets and smooth sounding sheet from survey of shoal. Large scale. Source: U.S.S. *Michigan.* (Filed as 293.43)

575. SHOAL SOUTH OF NORTH MANITOU ISLAND. 1897. 1 item.
Worksheet from examination of a shoal. Large scale. Source: U.S.S. *Michigan.* (Filed as 2102.41, chart E)

576. SOUTH FOX ISLAND SHOAL. 1901. 11 items.
Preliminary worksheets from suvey—boat sheets, ship sheets, tracings showing lines run, and illustrations of survey signal structures on South Fox Island, Beaver Island, and North Manitou Island. Scales vary. Source: U.S.S. *Michigan.* (Filed as 4121.14, #2-#12)

577. SOUTH FOX ISLAND SHOAL. 1901. 1 item.
Large "projection sheet" showing results of a survey of a shoal located immediately south of South Fox Island. 1:30,000. Source: U.S.S. *Michigan.* (Filed as 4121.14, #1)

578. DETROIT ISLAND PASSAGE (ENTRANCE TO GREEN BAY, WIS.). 1895. 3 items.
Manuscript charts showing results of a search for wrecks and shoals. The location of a wreck between Detroit Island and Plum Island is indicated. Large scale. Source: U.S.S. *Michigan.* (Filed as 391.8)

579. HARBORS ON LAKE MICHIGAN (WISCONSIN AND ILLINOIS). 1899. 11 items.
Blueprint copies of plats of soundings taken by various inspectors under the direction of Capt. J. G. Warren, Corps of Engineers, U.S. Army. Most of the blueprints

show soundings between the jetties or breakwaters of each harbor; some or all of the harbors were being dredged at the time of the survey. Included are the following Wisconsin harbors—Kenosha, Two Rivers, Racine, Kewaunee, Green Bay, Manitowoc, Sheboygan, Ahnapee, Menominee, and Sturgeon Bay—and the Waukegan harbor in Illinois. Scale of most blueprints, 1 inch to 100 feet. (Filed as 3112.43, #1-#11)

580. FOX RIVER, WIS., FROM DEPERE TO GREEN BAY. 1898. 1 item.
Blueprint copy of U.S. Army Corps of Engineers map showing projected channel. 1:12,000. (Filed as 1101.6)

581. WAUKEGAN HARBOR, ILL. 1898. 1 item.
Blueprint map showing proposed docks and railroad tracks of the "E. J. & E. Railway." 1 inch to 100 feet. (Filed as 1112.24)

582. WAUKEGAN HARBOR, ILL. 1899. 1 item.
"Plat of Soundings Taken at Waukegan Harbor. April and May, 1899 . . . Engineer's Office, E. J. & E. Railway Co. Joilet, Illinois." Blueprint. 1 inch to 100 feet. (Filed as 3112.32)

583. CHICAGO WATERFRONT. 1892. 25 items.
Preliminary worksheets from survey—boat sheets, planetable sheets, tracings, and supplementary sheets, such as a plan of the sewer and water system in Lincoln Park (item #9), a blueprint plan of the Lake Shore Drive extension at Lincoln Park (item #11), and a blueprint plan of the Chicago-Ohio Street extension of Lake Shore Drive. Scales vary. Source: U.S.S. *Michigan.* (Filed as 151.53, #9, #11, #17-#38, and #40)

584. CHICAGO WATERFRONT. 1892-93. 1 item.
"Survey of the Lake Front, Chicago Illinois, From Diversey Street to the Indiana State Line, Made . . . Under the Direction of Captain W. L. Marshall, Corps of Engineers . . . By L. M. Mann, Assistant Engineer, and Party, 1892." Additional title: "Chart No. 2. Navigable Channels and Obstructions to Navigation in the Vicinity of the World's Columbian Exposition, 1893." Large-scale blueprint chart, annotated with a few pencil lines relating to fathom curves and a grid pattern and filed with records of survey of Chicago waterfront by the U.S.S. *Michigan.* The chart shows hydrography, sailing directions, harbor facilities, streets and railroads near Lake Michigan, and buildings at the World's Columbian Exposition. 1 inch to approx. 400 feet. 4 x 9 feet. (Filed as 151.53, #41)

585. CHICAGO WATERFRONT. 1892. 1 item.
Large-scale smooth sheet from survey showing hydrography, the shoreline, topography from Grosse Point Lighthouse south to the State Monument, wharves, streets, and some prominent buildings near the waterfront. Approx. 4 inches to 1 nautical mile. Source: U.S.S. *Michigan.* (Filed as 151.53, #16)

586. CHICAGO STREET MAP. 1893. 1 item.
Rand McNally street map of Chicago printed in 1893 and forwarded by the Branch Hydrographic Office at Chicago as part of an 1896 report on the Chicago Harbor. It shows the location of the World's Columbian Exposition. The reverse side contains an additional map of the central part of the city showing census ward boundaries, elevated railroads, steam railroads, cable carlines, boulevards, and parks. Scale of main map, 3 inches to 1 statute mile. (Filed as 153.69)

587. CALUMET RIVER, CHICAGO. 1904. 6 items.
"Atlas Containing Maps of Calumet River, Illinois, Showing Established Channel Lines. Lieut. Col. W. H. Bixby Corps of Engineers, U.S.A., District Officer in Charge, 1904. Portfolio of blueline copies of maps, forwarded by the Branch Hydrographic Office at Chicago, showing U.S. dock lines and features adjacent to the river, including names of industrial plants. 1 inch to 200 feet. (Filed as 553.54, #5)

588. ILLINOIS STEEL CO. WORKS, ENTRANCE TO CALUMET RIVER, CHICAGO. 1905. 2 items.
Blueprint and blueline copies of maps, forwarded in 1906 by the Illinois Steel Co.

and the Branch Hydrographic Office at Chicago, showing the plant and harbor. Large scale. (Filed as 553.54, #2 and #3)

589. INDIANA HARBOR (EAST CHICAGO), IND. 1902. 1 item.
Blueprint plan, submitted in 1903 by the Inland Steel Co., of proposed pier and dock. Large scale. (Filed as 581.42, #3)

590. INDIANA HARBOR (EAST CHICAGO), IND. 1903. 1 item.
Part of a printed map of the "Calumet Manufacturing District," submitted by the Inland Steel Co. It shows Indiana Harbor and the city of East Chicago and vicinity. 1 inch to 2,000 feet. (Filed as 581.42, #2)

591. INDIANA HARBOR AND SHIP CANAL (EAST CHICAGO), IND. 1903. 1 item.
Blueprint plan, forwarded by the Indiana Harbor Railroad Co. and the Branch Hydrographic Office at Chicago, showing railraods, the Inland Steel Co. plant, the American Steel Foundries, the Waro-Dickey Steel Co., and soundings in the adjacent part of Lake Michigan. 1 inch to 400 feet. (Filed as 553.54, #1)

592. INDIANA HARBOR (EAST CHICAGO), IND. 1907. 1 item.
Blueprint map, submitted in 1908 by the Inland Steel Co., showing part of the Chicago waterfront, Indiana Harbor, and the adjacent shoreline of Indiana to Michigan City. Approx. 1 inch to 1 nautical mile. (Filed as 581.42, #1)

593. INDIANA STEEL CO. HARBOR, GARY, IND. 1906. 1 item.
Blueprint, forwarded in 1906 by the Branch Hydrographic Office at Chicago, showing slip and dock plans and cross sections for new harbor. Large scale. (Filed as 553.54, #4)

Lake Superior

594. PORTAGE LAKE SHIP CANAL. 1896. 1 item.
U.S. Army Corps of Engineers map of the proposed breakwater at the Lake Superior entrance to Portage Lake Ship Canal. 1:2,400. (Filed as 2112.12)

595. PORT OF MUNISING, NORTHERN MICHIGAN. 1899-1900. 2 items.
Blueprint map of the town and harbor of Munising showing street names, railroads, harbor facilities, and "industries in operation and vacant sites available" (1 inch to 400 feet); and blueprint map of Superior Tannery, Munising, showing individual buildings (1 inch to 100 feet). (Filed as 2122.7, #1 and #2)

596. SHOALS IN VICINITY OF APOSTLE ISLANDS, NORTH COAST OF WISCONSIN. 1897. 1 item.
Worksheet from survey of shoals between Sand and York Islands, between Devel and Rocky Islands, and near Raspberry and Bear Islands. Large scale. Source: U.S.S. *Michigan.* (Filed as 2102.41, chart A)

597. PORT WING, NORTH COAST OF WISCONSIN. 1899. 1 item.
"Map of the Harbor of Port Wing, Wisconsin. From a Survey Made in September, 1899, by M. W. Lewis, Under the Direction of Major Clinton B. Sears, Corps of Engrs, U.S. Army." Printed map annotated as being a copy of House Document 114, 56th Congress, 1st Session and to show additional jetties. 1 inch to 300 feet. (Filed as 4113.47)

598. ONEOTA, MINN. 1899. 1 item.
"Plan Showing Depth and Width of Channel on D. M. & H. Railway, Dock Property." Blueprint copy showing extensions, built 1893 and 1898, to iron ore docks. Large scale. (Filed as 2113.47)

599. TWO HARBORS (AGATE BAY), MINN. 1897. 1 item.
"Map of Two Harbors Minn. and Vicinity Showing Terminals and Dock Yards of the Duluth & Iron Range R.R. Aug. 1897 . . . ." Photocopy annotated to show additions to ore docks and rail lines. The base map contains a plat of Two Harbors townsite. 1 inch to 400 feet. (Filed as 3112.42)

600. DULUTH AND SUPERIOR HARBORS. 1893. 1 item (2 sections).

U.S. Army Corps of Engineers chart of the harbor area, forwarded in 1898 by the Branch Hydrographic Office at Duluth, with annotations showing proposed piers, channels, and basins. 1 inch to approx. 1,200 feet. (Filed as 1112.22)

601. DULUTH AND SUPERIOR HARBORS. 1899. 2 items.

Two duplicate charts, printed to accompany the annual report of Maj. Clinton B. Sears, U.S. Corps of Engineers, for fiscal year 1898 and forwarded in 1899 by the Branch Hydrographic Office at Duluth, showing dredging work in Superior Bay, Allouez Bay, and part of St. Louis Bay. One is annotated to show additional areas dredged during 1898, and the second is annotated to show two elevators near St. Louis Bay. 1 inch to approx. 1,300 feet. (Filed as 3111.19; 5111.25, #1)

602. ST. LOUIS RIVER VICINITY, WEST DULUTH HARBOR. 1903. 1 item.

Part of a printed U.S. Army Corps of Engineers Lake Survey chart forwarded by the Branch Hydrographic Office at Duluth. Annotations possibly relate to buoys. Large scale. (Filed as 1121.27)

603. ST. LOUIS BAY, DULUTH HARBOR. 1906. 1 item.

Blueprint chart, furnished by the D. M. & N. H. Railway, showing new channel and ore docks. Large scale. (Filed as 5111.25, #2)

EAST COAST

604. MAURY CHART OF "APPROACHES TO SANDY HOOK." Ca. 1859. 1 item.

Depth and bottom sediment chart, by Matthew F. Maury, covering the coast from New Jersey to Massachusetts. A copy of plate VI in volume 2 of *Explanations and Sailing Directions to Accompany the Wind and Current Charts,* eighth edition. Small scale. (Filed as 141.33)

605. TRIAL COURSES FOR TESTING VESSELS. 1864-1905. 40 items.

Manuscript survey charts for laying out speed-trial courses and measured miles in various harbors, and annotated charts showing trial tracks run by specific vessels. Included are three manuscript charts showing trial tracks in New York Bay and Hampton Roads, Va., prepared for the Bureau of Navigation at the U.S. Coast Survey Office, 1864 (filed as 142.3); a diagram of a measured sea mile at Narragansett Bay, 1884 (filed 142.14); a survey of a 10- and a 1-mile speed course at Delaware Bay by the U.S.S. *Despatch,* 1888 (filed as 151.13); annotated charts showing a trial track and related triangulation stations in Long Island Sound, 1894 (filed as 132.10 and 132.13); a chart of the Rose Island measured-mile speed-trial course in Narragansett Bay, 1901 (filed as 132.21a); and survey sheets for a measured-mile course at Penobscot Bay, Maine, surveyed by the U.S.S. *Eagle* in 1904-5 (filed as 132.27).

Also included are charts showing trial courses for the following vessels (mostly annotated Coast and Geodetic Survey charts): U.S. ships *Columbia, New York,* and *Minneapolis,* New England coast, ca. 1895 (filed as 132.5); U.S.S. *Indiana,* New England coast, 1895 (filed as 132.9); U.S.S. *Brooklyn,* New England coast, 1896 (filed as 132.11); U.S.S. *Iowa,* New England coast, 1897 (filed as 132.16 and 132.24); U.S. ships *Kearsarge, Kentucky,* and *Colorado,* New England coast, 1899 and 1904 (filed as 132.23); U.S.S. *Newport,* Boothbay Harbor, Maine, 1897 (filed as 132.18); U.S. ships *Dupont* and *Porter* (torpedo boats 6 and 7), and torpedo boats 15 and 16 (names not given), Narragansett Bay, R.I., 1897 (filed as 132.12, 132.20, and 132.21); U.S.S. *Montgomery,* Long Island Sound, 1894 (filed as 132.8); U.S.S. *Castine,* Long Island Sound, 1894 (filed as 132.4); U.S.S. *Ericsson,* Long Island Sound, 1894-95 (filed as 132.1, 132.6, and 132.7); U.S. ram *Katahdin,* coast of Maine and Long Island Sound, ca. 1895 (filed as 132.2 and 132.3); and U.S. ships *Wilmington* and *Helena,* Long Island Sound, 1897 (filed as 132.15; proposed track, filed as 132.6); and U.S. ships *Annapolis* and *Nashville,* Long Island Sound, 1897 (filed as 132.17).

606. INLAND WATER ROUTE OF THE U.S.S. "CUSHING" FROM RHODE ISLAND TO FLORIDA. 1895. 1 item.

Published chart of the east coast of the United States, annotated to show the inland water route taken. Small scale. (Filed as 293.46)

607. GULF STREAM CURRENTS OBSERVED BY THE U.S.S. "ALLIANCE." 1903. 1 item.

Tracing showing currents observed between the Straits of Florida and Cape Hatteras, N.C. 1 inch to approx. 12 nautical miles. (Filed as 171.29)

608. EAST LAMOINE COAL DEPOT, MAINE. 1900. 1 item.

Printed contour plan covering the site of a proposed Lamoine coal supply depot, East Lamoine (Sullivan Harbor). Large scale. (Filed as 2121.11, #45, with survey records of the U.S.S. *Dolphin*)

609. FRENCHMAN'S BAY COAL DEPOT, MAINE. 1900. 15 items.

Preliminary sheets from survey—boat sheets and tracings showing soundings. Scales vary. Source: U.S.S. *Dolphin.* (Filed as 2121.11, #1-#9, #41-#44, #46, and #47)

610. FRENCHMAN'S BAY COAL DEPOT. 1900. 1 item.

Smooth sheet from survey, covering the approaches to the naval coaling station adjacent to Mount Desert Island and showing soundings and topography, including buildings in the coal depot, the Shore Acres Hotel, and other landmarks. 1 inch to 100 yards. Source: U.S.S. *Dolphin.* (Filed as 2121.11, #48)

611. JEFFERYS LEDGE (SHOAL), COAST OF NEW ENGLAND. N.d. 2 items.

"A Chart of the Banks of the Western and Eastern Jeffries. By William L. Langsford." Chart and tracing showing soundings and sailing directions for a shoal off the coast of New England between Cape Ann, Mass., and southern Maine. Scale is not given. (Filed as 141.36)

612. BOSTON HARBOR, MASS. 1900. 1 item.

"Geo. W. Eldridge's Chart H Boston Harbor." Privately printed chart forwarded by Lieutenant Commander Chambers, USN. It was originally dated 1899, but a new date, 1900, was pasted on the chart, which shows range lights, shoals, soundings, buoys, bottom sediment types, and other hydrographic features. Approx. 2 inches to 1 nautical mile. (Filed as 2121.18)

613. GEORGE'S BANK, OFF MASSACHUSETTS. 1892. 1 item.

Published chart covering George's Bank (H.O. chart No. 941, dated 1891), annotated to show places where the ocean bottom was known to be of pebbles and forwarded by the Branch Hydrographic Office at New York. 1 inch to approx. 10 nautical miles. (Filed as 141.62)

614. GEORGE'S BANK AND NANTUCKET SHOALS, OFF MASSACHUSETTS. 1902-3. 4 items.

Parts of Hydrographic Office and Coast and Geodetic Survey charts, annotated with new soundings developed by the steamships *Trojan* and *Teutonic.* Scales vary. (Filed as 2113.27, #1-#4)

615. NANTUCKET SHOALS, OFF MASSACHUSETTS. 1906. 1 item.

Published chart of Nantucket Shoals (Coast and Geodetic Survey chart No. 213, dated 1904), annotated with additional soundings. 1 inch to 1 nautical mile. Source: U.S.S. *Kentucky.* (Filed as 143.3)

616. PORTSMOUTH NAVAL COAL DEPOT, NARRAGANSETT BAY, R.I. 1900. 9 items.

Manuscript and blueprint charts relating to the establishment of the depot: a sounding sheet for the passage between Prudence Island and Rhode Island, plans of the depot, a plat showing land in Portsmouth before the depot was acquired, and other worksheets. Scales vary. Source: U.S.S. *Eagle.* (Filed as 2122.30)

616a. SAKONNET RIVER, R.I. 1869. 1 item.
Tracing of a U.S. Coast and Geodetic Survey chart that covers part of the river in the vicinity of "The Hummock" and shows topography as surveyed in 1861-65 and hydrography as surveyed in 1894. 1:10,000. Source is not shown. (Filed as 492.24)

617. GARDINERS BAY, LONG ISLAND, N.Y. 1896. 1 item.
Published chart (Coast and Geodetic Survey chart No. 298, dated 1894), annotated with information relating to buoys, to accompany a letter dated July 21, 1896. The base chart shows hydrographic and topographic information. 1:40,000. Source: U.S.S. *Dolphin.* (Filed as 592.4)

617a. WALLABOUT BAY, EAST RIVER, N.Y. 1890. 1 item.
Manuscript hydrographic sheet, enlarged from an original in the archives of the U.S. Coast and Geodetic Survey for the Secretary of the Navy, showing soundings, the shoreline, and triangulation points. 1:1,250. (Filed as 282.63, #1)

618. NEW YORK CITY: CABLES ACROSS HUDSON AND EAST RIVERS. 1905. 1 item.
Published chart of the Hudson and East Rivers (Coast and Geodetic Survey chart No. 369-4, dated 1900), annotated in red ink to show 15 additional Western Union and "government" telegraph and telephone cables crossing the rivers at various points. Source: U.S.S. *Columbia.* (Filed as 1113.53)

619. BALTIMORE HARBOR, MD. 1887. 1 item (2 sections).
Published chart by the Baltimore Harbor Board, showing soundings, waterfront streets, wharves, and docks with names of companies. The chart is annotated with minor corrections. 1 inch to 300 feet and 1 inch to 600 feet. (Filed as 151.104)

620. SHOAL OFF YORK SPIT, CHESAPEAKE BAY. 1894. 3 items.
Manuscript and annotated versions of a chart showing position of a shoal off York Spit lighthouse and soundings. Large scale. Source: U.S.S. *Atlanta.* (Filed as 143.32)

621. APPROACHES TO NAVY YARD, WASHINGTON, D.C. 1900-1901. 9 items.
Records of a hydrographic reconnaissance, including sounding charts of the Anacostia River, rough worksheets, and tidal observation sheets. Scales vary. Source: U.S.S. *Dolphin.* (Filed as 2123.48)

622. NAVY YARD WATERFRONT, WASHINGTON, D.C. 1902. 1 item.
Manuscript chart showing lines of soundings immediately adjacent to the navy yard, slips 1 to 4, a coal dock, and a boathouse. 1 inch to 50 feet. Source: U.S.S. *Mayflower.* (Filed as 441.38)

623. JAMES RIVER, VA. Ca. 1892. 1 item.
Chart of a 6-mile section of the James River, south of Richmond, annotated with information related to dredging work. 1 inch to approx. 275 yards. Source: apparently a survey by the U.S. Army Corps of Engineers. (Filed as 143.48)

624. NORFOLK NAVY YARD, VA. 1894. 1 item.
Blueprint from survey of waterfront by Lt. J. W. Ryan, USN. Shown are soundings and the anchorage locations of the following ships: U.S. ships *Raleigh, Detroit, Texas, Speedball, Imphitrite,* and *Montgomery* and U.S. receiving ship *Franklin.* Large scale. (Filed as 151.99)

624a. ROANOKE, MIDDLE, AND EASTMOST RIVERS, N.C. 1864. 5 items.
Tracings of U.S. Coast and Geodetic Survey hydrographic charts showing river soundings, shoreline features, and triangulation points. 1:10,000 and 1:20,000. Source of tracings is not shown. (Filed as 141.32)

625. LIGHTHOUSE AT DIAMOND SHOAL, OFF CAPE HATTERAS, N.C. 1890. 1 item.
Large-scale, cross-sectional plan of a lighthouse proposed by Anderson & Barr Co. of New York. The plan was copied in the office of the Lighthouse Board, April 1903. (Filed as 581.48)

A related printed report is filed among the corresponding textual records of the Hydrographic Office.

626. CHARLESTON HARBOR, S.C. 1884-94. 1 item.
"Comparison of Surveys, Charleston Harbor S.C." Three charts on one blueprint sheet showing the results of hydrographic surveys in 1884, 1892, and 1894 between North Jetty and South Jetty. 1 inch to 500 feet. (Filed as 262.25)

626a. BEAUFORT RIVER, S.C. 1855. 1 item.
Tracing of an original hydrographic chart, filed in the archives of the U.S. Coast and Geodetic Survey, showing river soundings and the shoreline. (Filed as 141.65)

627. BEAUFORT RIVER, S.C. 1883. 3 items.
Worksheets by Lt. Perry Garst, USN, showing river soundings. Included are a chart entitled "Survey for coaling station" (1:5,000), a tracing of Coast and Geodetic Survey chart No. 1862 of the Archers Creek area (1:10,000), and a tracing of a Coast Survey chart of Port Royal Bay and Broad River mouth (1:20,000). (Filed as 142.49)

628. ST. CATHERINE'S SOUND, GA. 1890. 1 item.
Published chart of St. Catherine's Sound (Coast Survey chart No. 443, dated 1889), annotated by Ensign Drake of the Coast Survey schooner *Ready* to show additional soundings. 1:40,000. (Filed as 241.62)

629. PART OF SAVANNAH RIVER, GA. 1894. 1 item.
Blueprint forwarded by the U.S. Army Corps of Engineers in Savannah with a letter concerning a survey and change of buoys in part of the river. 1 inch to 400 feet. (Filed as 262.42)

630. DAMES POINT, ST. JOHN'S RIVER, FLA. 1893. 1 item.
Blueprint chart of dredged area. 1:6,000. (Filed as 261.98)

631. ENTRANCE TO ST. JOHN'S BAR, ST. JOHN'S RIVER, FLA. 1897. 1 item.
Blueprint chart, based on a survey by the U.S. Army Corps of Engineers, 1897, showing the location of buoys. 1:6,000. Source: U.S.S. *Wilmington.* (Filed as 1101.15)

632. SHOAL OFF ST. LUCIE INLET, EAST COAST OF FLORIDA. 1873. 2 items.
Manuscript track chart showing soundings taken while in search of shoal, and a smaller sketch chart of the shoal area. Large scale. Source: U.S.S. *Richmond.* (Filed as 241.2, #1 and #2)

GULF COAST

633. DOUBLE-HEADED SHOT KEYS, FLORIDA KEYS. 1883. 1 item.
Manuscript chart of the Salt Key Bank of the Double-Headed Shot Keys, intended to show the location of Marion Rock. 1 inch to approx. 1 nautical mile. Source: U.S.S. *Yantic.* (Filed as 242.40)

634. REPORTED SHOAL NEAR ALLIGATOR KEY LIGHTHOUSE, FLORIDA KEYS. 1901. 1 item.
Manuscript chart showing soundings from search of a shoal originally reported by the S.S. *Newcastle.* Approx. 4 inches to 1 nautical mile. Source: U.S.S. *Eagle.* (Filed as 2121.41)

635. KEY WEST-TO-HAVANA CABLE. 1868. 1 item.
Tracing, signed by Charles T. Bright, of "Chart No. 1" showing the "cable of 1867 from Mr. Webb's report" between Key West and Havana, Cuba, and the tracks of the U.S.S. *Gettysburg* and the *Narva.* 1 inch to approx. 3 nautical miles. (Filed as 243.41)

636. KEY WEST, FLA. (HISTORICAL CHART). 1773. 1 item.
"Key West From a survey for the Board of Admirality [sic] made in 1773." Blueprint of a chart in the Key West Engineer's Office, forwarded to the Hydrographic Office in 1901 by Captain McGowan, USN, showing soundings, reefs, and islands and containing a description of the original name (Cayo Huesso or Bone Island), the fishing economy, reefs, tides, bottom types, and terrain as of 1773. 1 inch to approx. 1 nautical mile. (Filed as 3121.30)

637. KEY WEST AND APPROACHES, FLA. 1896. 1 item.
Published Coast Survey chart No. 469, dated 1884 and annotated to show the

location of an object struck by the U.S.S. *Raleigh.* Approx. 1 1/2 inches to 1 nautical mile. (Filed as 493.7)

638. TORTUGAS CHANNEL AND HARBOR, DRY TORTUGAS, FLORIDA KEYS. 1904-5. 5 items.

Items relating to Tortugas Channel, including two blueprint copies of a large-scale "Map of Channel . . . all soundings subsequent to dredging operations . . ." (forwarded with a letter to the Commandant of the Key West Naval Station); two tracings showing barge and tugboat moorings (forwarded with a letter from the "Ass't. Supt. of Impts"); and a small-scale chart of "Tortugas Harbor" printed in Hydrographic Office Confidential Notice No. 4, 1905. Shown on several of the charts are soundings, coalsheds, aids to navigation, and the adjacent parts of Fort Jefferson. Scales vary. (Filed 353.37, #1-#5)

639. TAMPA BAY, FLA. 1843. 1 item (3 sections).

Chart of Tampa Bay, surveyed by Lt. L. M. Powell, USN, showing soundings, the coastline, Fort Brooke and surrounding settlements, and isolated cultivated fields and houses in what is now Manatee County. 1:24,000. Source: U.S.S. *Hecla.* (Filed as 243.42, #1)

640. TAMPA BAY AND APPROACHES, FLA. 1843. 1 item.

Incomplete manuscript chart showing Tampa and Hillsborough Bays, Fort Brooke, the mouth of the Little Manatee River, lines of soundings, and remarks on bottom sediments. Much of the chart is blank. 1 inch to approx. 5 nautical miles. Source: U.S.S. *Hecla.* (Filed as 243.42, #2a)

641. MANATEE RIVER MOUTH, TAMPA BAY, FLA. 1843. 2 items.

Two manuscript sketch charts showing soundings taken by the U.S.S. *Hecla* and landmarks along the shore, including Wimster's, Braden's, Reid's, and Gates' "harbors." Approx. 3 inches to 1 nautical mile. (Filed as 243.42, #2b and #2c)

642. ENTRANCE TO PENSACOLA HARBOR, FLA. 1890. 1 item.

"Entrance to Pensacola Harbor Florida From Survey Made in 1890 Under the Direction of Capt. Philip M. Price Corps of Engineers U.S.A. By Ass't Eng'r. J. E. Turtle. Plan No. 1." Blueprint copy showing soundings, depth curves, and the location of Fort Pickens. 1 inch to 500 feet. (Filed as 261.96)

643. ENTRANCE TO MOBILE BAY, ALA. Ca. 1861-63. 1 item.

"Chart of the Entrance to Mobile Bay Alabama . . . Confederate States Navy Department . . . Bureau of Ordnance and Hydrography . . . Approved John M. Brooke, Commander C.S. Navy." Manuscript chart showing soundings, bottom sediments, shoals, buoys, beacons, channels, Fort Morgan, Fort Gaines, a hospital, and a "pilot town." 1:40,000. (Filed as 141.67)

644. CITY OF GULFPORT, MISS. 1902. 1 item.

Map of Gulfport, Miss., published by Carver & Thompson, New Orleans, and forwarded in 1902 by the Branch Hydrographic Office at New Orleans. It shows streets, railroads, and harbor facilities. 8 inches to 1 statute mile. (Filed as 441.36)

645. NEW ORLEANS HARBOR, LA. 1877-78. 1 item (2 sections).

"Index Sheet, Survey of New Orleans Harbor 1877-8, Made under the direction of the Engineer Commission. Brev't Maj. Gen. G. Weitzel, Corps of Engineers, U.S.A. Chairman." Blueprint index map to cross-section sheets (which are not included) that shows harbor soundings, names of waterfront landholders, and adjacent city streets. 1 inch to approx. 800 feet. (Filed as 252.82)

646. LAKE BORGNE CANAL, NEW ORLEANS, LA. 1902. 1 item.

Large-scale plan (on tracing cloth) of a canal between the Mississippi River and Lake Borgne, forwarded in 1905 by the Branch Hydrographic Office at New Orleans, showing coal facilities, a lime kiln,

a sawmill, and other features at the Mississippi entrance to the canal, and gun clubs, prairie vegetation, and an old fort at a Government reservation at Lake Borgne. 1 inch to approx. 200 feet. Length, 12 feet. (Filed as 281.25)

647. CALCASIEU PASS, SOUTHWEST COAST OF LOUISIANA. 1894. 1 item.

"Improving Calcasieu River & Pass, La. Calcasieu Pass From Surveys of April & May, 1894 Made Under the Direction of Maj. James B. Quinn Corps of Engineers, U.S. Army By J. L. Brownlee, Ass't Eng." Blueprint showing pass from Gulf of Mexico to town of Cameron. 1 inch to 500 feet. (Filed as 161.23, #2)

648. SABINE PASS, LOUISIANA AND TEXAS. 1894. 1 item.

"Improving Sabine Pass, Tex. Sabine Pass From Surveys of May & June, 1894 Made Under the Direction of Maj. James B. Quinn Corps of Engineers, U.S. Army by J. L. Brownlee, Ass't Eng." Large Blueprint. 1 inch to approx. 500 feet. 3 x 8 feet. (Filed as 161.23, #1)

649. MOUTH OF RIO GRANDE RIVER, TEXAS AND MEXICO. 1873. 1 item.

Tracing showing river soundings, landings, buildings, and vegetation on both sides of the Rio Grande for approximately the frist mile from the mouth. It contains notes on tides and a recommended place to land. Approx. 16 inches to 1 nautical mile. Source: U.S.S. *Wyoming.* (Filed as 241.24, #23)

650. LOWER RIO GRANDE RIVER, TEXAS AND MEXICO. 1878. 1 item (2 sections).

Manuscript chart (on tracing cloth), from a running survey, covering the "Rio Bravo del Norte" from Brownsville to Rio Grande City and showing Old Fort Brown, U.S. camps at Edinburg (Reynosa) and Rio Grande City, and vegetation and observation points along the river. 1 inch to approx. 1 nautical mile. Source U.S. gunboat *Rio Bravo.* (Filed as 243.50)

651. BOUNDARY BETWEEN UNITED STATES AND MEXICO (RIO GRANDE RIVER). 1853-57. 6 items.

Printed maps showing the boundary according to the treaty of December 1853. Four sheets at scale 1:600,000 cover the entire boundary; two sheets at scale 1:60,000 cover two smaller sections, the mouth of the river and the vicinity of El Paso (Paso del Norte). Topographic features along the river are shown. (Filed as 183.44)

Related maps are filed among Records of Boundary and Claims Commissions and Arbitrations, Record Group 76.

MISSISSIPPI AND OHIO RIVERS

652. MEMPHIS NAVY YARD, TENN. (MISSISSIPPI RIVER). Ca. 1864. 4 items.

"Comparative Map of the River Changes near the Navy Yard at Memphis, Tenn. Compiled for the U.S. Commission To Select a Naval Site in the Western Waters by order of Rear Adm. C. H. Davis, chairman. F. H. Gerdes, U.S. Coast Survey, Top. Eng. of the Miss. Squadron." Three manuscript charts and a title sheet relating to the position of the river in 1832 and 1858. One shows a hospital, oil mills, an old saw mill, and railroad lines at Memphis. Scales vary. (Filed as 243.40, #7)

653. CARONDELET CITY (MISSISSIPPI RIVER). 1862-63. 1 item.

Printed map prepared from a Coast Survey map made in 1862-63 for the "Western Navy Yard Commission," Rear Adm. C. H. Davis, chairman. 1 inch to 400 yards. (Filed as 243.40, #6)

654. MOUND CITY, ILL., NAVAL FACILITIES (OHIO RIVER). 1864. 2 items.

Manuscript charts showing the naval yard and depot in Mound City, surveyed in June 1864 by the U.S. Coast Survey party attached to the Mississippi Squadron. They apparently were compiled for the U.S. Commission To Select a Naval Site in the Western Waters, Rear Adm. C. H. Davis, chairman. 1 inch to approx. 75 feet. (Filed as 243.40, #3a and #3b)

655. PITTSBURGH NAVY YARD (OHIO RIVER). 1864. 2 items.
Manuscript and printed versions of a chart showing the proposed site for a navy yard, north of Manchester on the Ohio River. They apparently were compiled for the U.S. Commission To Select a Naval Site in the Western Waters, Rear Adm. C. H. Davis, chairman. 1 inch to 500 feet. (Filed as 243.40, #5a and #5b)

WEST COAST

655a. WATERS OFF WALDRON ISLAND, HARO STRAIT, WASH. 1899. 1 item.
Tracing of original hydrographic sheet No. 2113, filed in the archives of the U.S. Coast and Geodetic Survey, showing soundings and part of the island's shoreline. 1:20,000. Source of tracing is not shown. (Filed as 1113.16)

656. PUGET SOUND AND ADMIRALTY INLET, WASHINGTON TERRITORY. 1869. 1 item.
Tracing "showing anchorages and settlements not laid down on Admiralty Chart. Aug. 1869. Also track of USS *Pensacola.*" Anchorages and settlements are indicated in red ink. 1 inch to approx. 3 nautical miles. (Filed as 183.7, #9)

657. DOCK AT QUARTERMASTER HARBOR, PUGET SOUND, WASH. 1893. 1 item.
Small tracing, "copied from Blueprint of the Puget Sound Dry Dock Company," showing docks and buildings. 1 inch to 100 feet. Source: U.S.S. *Ranger.* (Filed as 382.3)

658. NAVAL STATION AT BREMERTON, PORT ORCHARD VICINITY, PUGET SOUND, WASH. 1907. 1 item.
Partly illegible photocopy of plan of naval yard as of June 30, 1907, with estimates for 1909. 1 inch to 200 feet. (Filed as 3113.6)

659. MIDDLE POINT, PORT ORCHARD VICINITY, PUGET SOUND, WASH. 1908. 4 items.
Graph and two-sheet list showing tidal observations during October 1908, and a published chart of Port Orchard-Bremerton (Coast and Geodetic Survey chart No. 6444, dated 1901), annotated to show the location of the tide gauge, the course of survey runs, and daymarks. Scale of chart, 1:20,000. Source: U.S.S. *St. Louis.* (Filed as 531.23)

660. BUOY AT BLAKELY HARBOR, PUGET SOUND, WASH. 1893. 2 items.
Published chart of Blakely Harbor (Coast and Geodetic Survey chart No. 655, dated 1884), annotated to show the position of the Decatur Reef Buoy, and a letter from the Light-House Board. 1:10,000. (Filed as 381.44)

661. ANCHORAGES AT SEATTLE HARBOR, PUGET SOUND, WASH. 1896. 1 item.
Tracing of the shoreline and wharves at Seattle Harbor, marked with positions of anchorages of U.S. ships *Philadelphia* (November 1895), *Baltimore* (June 1892), and *Mohican* (January-August 1895). Large scale. (Filed as 493.21)

662. LAKES WASHINGTON AND UNION, SEATTLE VICINITY, WASH. 1897. 2 items.
Two blueprint charts of the lakes showing soundings and the proposed canal to Puget Sound. Large scale. Source: U.S.S. *Monterey.* (Filed as 2103.46)

663. CAPE FLATTERY, WASHINGTON TERRITORY. 1888. 1 item.
Published chart of Cape Flattery and Nee-ah Harbor, Wash. (Coast and Geodetic Survey chart No. 645, dated 1888), bearing annotations relating to the visibility of the Cape Flattery lighthouse (source of annotations not given). Inset: view of Cape Flattery. 1:40,000. (Filed as 382.71)

664. LIGHTHOUSE NEAR PORTLAND, OREG. 1893. 1 item.
Published chart of parts of the Columbia and Willamette Rivers (Coast and Geodetic Survey chart No. 641d, also marked with number 6145, dated 1888), annotated to show the new position of the "Linton Landing post light." Attached is a letter from the Light-House Board. 1:40,000. (Filed as 381.45)

664a. CAPE MENDOCINO, CALIF. 1872. 1 item.
Tracing of an original chart, based on an 1869 survey and filed in the archives of the U.S. Coast and Geodetic Survey, showing topographic contours and positions of lighthouses near the coast. 1:10,000. (Filed as 282.5, #1)

665. TRIAL TRACK OF U.S. SHIPS "WHEELING" AND "MARIETTA" IN SAN FRANCISCO BAY, CALIF. 1897. 1 item.
Published chart of the San Francisco vicinity (Coast and Geodetic Survey chart No. 5581, dated 1897), annotated with trial-track location. The reverse side contains note "J.H.G. 1146/1901. Sent with precept to Perry trial Board 2/11/1901. Returned by request June 10/01." 1:40,000. (Filed as 132.19)

666. CALIFORNIA CITY POINT DEPOT, SAN FRANCISCO BAY, CALIF. 1908. 2 items.
Large-scale tracing showing proposed plan for storage of coal barges at the depot, and a published chart of part of San Francisco Bay (part of Coast and Geodetic Survey chart No. 5532, n.d.), annotated to show the location of the depot. Scales vary. (Filed as 531.1, #1 and #2)

667. SHOAL IN MARE ISLAND STRAITS, SAN FRANCISCO, CALIF. 1903. 5 items.
Smooth survey sheet and four blueprints from examination of shoal that show location of wharves and the berth of the ship *Independence.* 1 inch to 200 feet. Source: U.S.S. *Adams.* (Filed as 163.8)

668. DREDGED SHOAL AT SAN PABLO BAY, SAN FRANCISCO, CALIF. 1907. 1 item (3 sections).
"Hydrographic Survey of the Channel Through the Shoal in San Pablo Bay, California, Surveyed Under the Direction of Major Wm. W. Harts, Corps of Engineers U.S.A. by H. L. Demeritt, Assistant Engineer. May 15, 1907." Blueprint showing cross sections of channel. 1 inch to 300 feet. (Filed as 4101.45, #1-#3)

669. OAKLAND HARBOR WATERFRONT, CALIF. 1902. 1 item.
Photocopy of unidentified chart showing harbor facilities, railroad, and a few adjacent streets. Large scale. (Filed as 441.46)

670. SPEED-TRIAL COURSES OF U.S. SHIPS "SAN FRANCISCO," "OLYMPIA," AND "OREGON," SANTA BARBARA CHANNEL, CALIF. 1896. 2 items.
Two copies of a published chart of the Santa Barbara Channel vicinity (Coast and Geodetic Survey chart No. 5200, dated 1882), annotated to show the speed courses. 1:200,000. (Filed as 132.14)

671. LOS ANGELES HARBOR, CALIF. 1897. 2 items.
Published Coast and Geodetic Survey charts, Nos. 5143 and 5144, dated 1893-95, annotated to show proposed improvements to the harbors at San Pedro and Santa Monica Bay, and forwarded as enclosures to a report (filed among the textual records of the Hydrographic Office) concerning the relative advantages of each port for Los Angeles. Scales vary. Sources: U.S. ships *Monadnock* and *Monterey.* (Filed as 3103.17, #1 and #2)

672. SAN CLEMENTE ISLAND, CALIF. 1874. 1 item.
Map (tracing) of San Clemente Island, originally surveyed by E. J. Molera under the direction of Lt. Col. R. W. Williamson, U.S. Army Corps of Engineers, showing topography and harbor soundings, a "camp," and a "corral." Approx. 3 inches to 1 nautical mile. (Filed as 382.74)

673. SAN DIEGO BAY, CALIF. Ca. 1875. 1 item.
Published Coast Survey chart of San Diego Bay (unnumbered but dated 1859), annotated with triangulation data by George Davidson of the U.S. Coast Survey. A note reads, "This sketch is . . . to exhibit the [work] of 1871 . . . to connect the Telegraph Astronomical Station 'San Diego' with the . . . stations of 1851 and 1852 at La Playa . . . George Davidson Assist. U.S.C.S." The chart is filed among the records of the U.S.S. *Narragansett* that relate to the survey of the west coast of Mexico. 1:40,000. (Filed as 283.16, portfolio 2, #31)

674. SAN DIEGO NAVAL RESERVATION, CALIF. 1901. 2 items.

Large-scale projection sheet and a supplementary sounding sheet from a hydrographic and topographic survey. The projection sheet shows soundings, topographic contours, triangulation points, roads, an Army torpedo station, a quarantine station, other buildings, and piers. Scale of projection sheet, 1 inch to 100 feet. Source: U.S.S. *Ranger.* (Filed as 4122.26)

Mexico and Central America

675. INDEX TO SURVEYS ALONG THE WEST COASTS OF MEXICO AND CENTRAL AMERICA. 1873-96. 2 items.

Printed index charts of the west coasts of Mexico and Central America, annotated by the Hydrographic Office to show the coverage of 29 manuscript charts of the Gulf of California region surveyed by the U.S.S. *Narragansett* under the command of Commodore George Dewey, 1873-75 (see portfolio 1, entry 706), and the limits of the areas surveyed by the U.S. ships *Tuscarora* (1878-81), *Ranger* (1881-90), and *Thetis* (1891-96). (Filed as 182.55, #1 and #2)

676. SHIPWRECKS ALONG THE WEST COAST OF MEXICO AND CENTRAL AMERICA. 1876. 1 item.

Published chart of the Pacific coast of North America (H.O. chart No. 11, "North Pacific Ocean, Sheet 1," dated 1869), annotated to show corrections to the shoreline and the locations of the wrecks of the *Sacramento, Golden City,* and *City of San Francisco* along the coast of Mexico and the wreck of the *Georgia* off the coast of Costa Rica. The chart contains the following inset plans: Sandwich (Hawaiian) Islands; Port Guatulco (Santa Cruz Harbor), Mexico; Ipala Roadstead (Banderas Bay), Mexico; and the "Upper California" coast. Small scale. Source: U.S.S. *Narragansett.* (Filed as 283.16, portfolio 2, #28)

677. DEEP-SEA SOUNDINGS NEAR THE WEST COAST OF MEXICO AND CENTRAL AMERICA. 1878-79. 3 items.

Tracings that show deep-sea soundings from San Diego, Calif., to Panama (1:10,000,000); from Cape San Lucas to Tartar Shoal, west-central coast of Mexico (1:3,000,000); and from Acapulco, Mexico, to Nicaragua (1:3,000,000). Source: U.S.S. *Tuscarora.* (Filed as 181.23, #1-#3)

678. WEST COAST OF SOUTHERN MEXICO AND CENTRAL AMERICA, WITH HARBOR PLANS. Ca. 1880. 1 item.

Chart published in 1865 by J. Imray and Son of London, England, corrected to show changes in the shoreline and additional place-names in Mexico, Guatemala, and El Salvador. A penciled note reads, "Source of this chart not known but placed with *Tuscarora* work . . . 1885." This chart contains the following inset plans of harbors and bays as surveyed between 1827 and 1847: Sihuatanejo, Acapulco, Port Guatulco (Santa Cruz Harbor), and San Blas, Mexico; La Union, Salvador; Realejo (Corinto), Nicaragua; and Salinas Bay, Port Culebra, and Punta Arenas (Gulf of Nicoya), Costa Rica. Landscape views of the following areas are also shown: Istapa and Acapulco, Mexico; Fonseca Gulf (El Salvador, Honduras, and Nicaragua); and Ometepe Island, Lake Nicaragua. 1 inch to approx. 50 nautical miles. Source: U.S.S. *Tuscarora.* (Filed as 181.28, #20)

679. WEST COAST OF SOUTHERN MEXICO AND CENTRAL AMERICA, WITH HARBOR PLANS. Ca. 1880. 1 item.

British Admiralty chart No. 587 (dated 1877), corrected to show changes in the shoreline and additional place-names in Mexico, Guatemala, and El Salvador. The chart contains the following inset plans of harbors and bays as surveyed between 1794 and 1871: Sacrificios, Ventosa or Tehuantepec Roadstead, Salinas Bay (Island of Carmen), Salina Cruz, and Port Guatulco (Santa Cruz Harbor), Mexico; Acajutla or Sonsonate Roadstead, El Salvador; San Jose Roadstead, Guatemala; and Port Culebra, Costa Rica. 1 inch to approx. 40 nautical miles. Source: U.S.S. *Tuscarora.* (Filed as 181.28, #19)

680. TRANSPORTATION LINES IN MEXICO. 1884. 1 item.

Map, prepared by the Bureau of Statistics, U.S. Treasury Department, and printed as

House Executive Document No. 85, 48th Congress, 1st session, showing names of railroad lines in Mexico and in the adjacent part of the United States and land elevations in Mexico. Small scale. (Filed as 381.1)

681. WEST COASTS OF HONDURAS, NICARAGUA, AND COSTA RICA. Ca. 1886. 1 item.
Manuscript chart showing the shoreline from the Gulf of Fonseca to Burica Point, silhouettes of mountain peaks visible from the sea, mouths of rivers, coastal settlements, 10-, 20-, and 50-fathom curves, and triangulation stations. 1 inch to approx. 10 nautical miles. Source: U.S.S. *Ranger.* (Filed as 382.3, #11)

682. ISTHMUS OF TEHUANTEPEC. Ca. 1905. 1 item.
"Carta del F. C. Nacional de Tehuantepec." Small, undated printed map, forwarded by the Branch Hydrographic Office at New Orleans, 1905, showing topography and a railroad across the isthmus from Coatzacoalcos on the east coast to Salina Cruz on the west coast. 1:1,200,000. (Filed as 552.15, #3)

MEXICO, EAST COAST

683. EAST COAST OF MEXICO FROM RIO GRANDE TO VERA CRUZ. 1873-74. 21 items.
Manuscript coast charts (on 11 sheets) from a running survey by the U.S.S. *Wyoming* in 1873, with additional soundings annotated in red ink by the U.S.S. *Fortune* in 1874. Items #1 through #11 are the original sheets; items #12 through #21 are tracings of original sheets #2-#11. The charts show a line of soundings and shoreline features observed from offshore, including topography, lagoons, and coastal settlements. 1 inch to 2 nautical miles. (Filed as 241.26, #1-#21)

684. EAST COAST OF MEXICO FROM RIO GRANDE TO VERA CRUZ. 1873-74. 1 item.
Manuscript chart apparently reduced from the 11 sheets described in entry 683. 1 inch to approx. 25 nautical miles. Source: U.S.S. *Wyoming.* (Filed as 241.26, #22)

685. EAST COAST OF MEXICO FROM VERA CRUZ TO LAGUNA DE TERMINOS. 1874. 6 items.
Preliminary worksheets from a running survey—four rough plotting sheets and two supplementary sheets. Scales vary. Source: U.S.S. *Fortune.* (Filed as 241.24, #4-#6, #13, #14, and #16)

686. EAST COAST OF MEXICO FROM VERA CRUZ TO LAGUNA DE TERMINOS. 1874. 6 items.
Finished manuscript charts, numbered I through VI, from a running survey, showing the shoreline, topographic features observed from offshore, and selected soundings. 1 inch to approx. 2 nautical miles. Source: U.S.S. *Fortune.* (Filed as 241.24, #7-#12)

687. MOUTH OF SOTO LA MARINA (SANTANDER) RIVER. 1847. 1 item.
"Survey of the Embrochure of the Santander." Manuscript chart of river mouth located between Laguna Madre and Laguna de Morales (later called Soto La Marina River), showing soundings and notes on vegetation cover. Inset: landscape sketch of the Bar of Santander. Large scale. Source: U.S.S. *Hecla.* (Filed as 243.42, #3)

688. TAMPICO BAR, ENTRANCE TO PANUCO RIVER. 1866. 1 item.
"Sketch of Tampico Bar." Manuscript chart of the entrance to Panuco River showing soundings, a shipwreck, and sailing directions. Scale is not shown. Source: U.S.S. *Paul Jones.* (Filed as 243.30)

689. TAMPICO HARBOR AND VICINITY. 1883. 2 items.
Corrected published charts of the Tampico vicinity, including the mouth of the Panuco River, which connects Tampico with the Gulf of Mexico (H.O. chart No. 1577 and British Admiralty chart No. 2854, both dated 1881). The base charts show settlements, topography, and hydrography.

Scales vary. Source: U.S.S. *Alliance.* (Filed as 242.44, #1 and #3)

690. TAMPICO HARBOR ENTRANCE (PANUCO RIVER MOUTH). 1883. 1 item.
Manuscript chart of soundings in Panuco River showing a few buildings and vegetation cover immediately adjacent to the river. 1 inch to 800 feet. Source: U.S.S. *Alliance.* (Filed as 242.44, #2)

691. TAMPICO HARBOR ENTRANCE (PANUCO RIVER MOUTH). 1891. 2 items.
Published charts of Tampico entrance (a U.S. Army Corps of Engineers chart and H.O. chart No. 993), annotated by E. L. Cortrell, chief engineer of the Tampico Harbor Co., to show changes in wharves and railroads. The Corps of Engineers chart shows topography and the village of La Barra. Scales vary. (Filed as 261.2, #1 and #2)

692. TAMPICO HARBOR ENTRANCE (PANUCO RIVER MOUTH). 1897-1903. 8 items.
Series of blueprint charts prepared by Lewis Kingman, chief engineer of the Mexican Central Railway, and received at the Hydrographic Office in 1897-99 and 1901-3. All are revisions of the chart entitled "Obras del Puerto de Tampico. Sondeos practicados dentro y fuera de las escolleras," including one in the English version, "Tampico Harbor Works. Soundings Between and In Front of the Jetties." 1:5,000. (Filed as 1102.8; 2111.38; 2113.3; 3123.4)

693. VERA CRUZ HARBOR AND APPROACHES. 1816. 1 item.
"Plano del Puerto de Vera Cruz Levantado en 1807 de orden del Capitan del Navio de la Real Armada d. Ciriaco de Cevallos . . . Publicado En la Direccion de Hidrografia . . . Madrid Ano 1816." Tracing, made in 1878, showing hydrography, nearby islands, Castle of San Juan de Ulloa, and walls of the city. Approx. 3 1/2 inches to 1 nautical mile. Source: U.S.S. *Swatara.* (Filed as 242.33, plan C)

694. VERA CRUZ AND ADJACENT COAST TO THE NORTH, INCLUDING ZEMPOALA SHOAL. 1874. 2 items.
Manuscript chart of the coast from Vera Cruz north to Point Delgado (with an inset chart of Zempoala Shoal) and a separate rough draft of the Zempoala Shoal chart. The main chart shows soundings taken by the U.S.S. *Fortune* and some shoreline features. 1 inch to approx. 2 nautical miles. (Filed as 241.23, #1 and #2)

695. VERA CRUZ AND ADJACENT COAST TO THE SOUTH. 1874. 1 item.
Published chart of Vera Cruz and Anton Lizardo Anchorage (H.O. chart No. 407, dated 1872), annotated to show corrections in soundings and the shoreline. Inset: plan of Alvarado. Approx. 1 1/2 inches to 1 nautical mile. Source: U.S.S. *Fortune.* (Filed as 241.24, #15)

696. VERA CRUZ HARBOR SOUNDINGS. 1878. 2 items.
"Soundings Taken in the Harbor of Vera Cruz, Mexico, by the boats of the U.S. Ship *Swatara* while searching for a shoal reported to exist . . . ." Tracing, with an inset plan of the castle of San Juan de Ulloa. Also included is a worksheet tracing showing baselines and angles from the survey and inset sketch plan of the castle of San Juan de Ulloa as it appears "on the Spanish chart of 1806," with distances added in 1878. 1:3,000. (Filed as 242.33, plans A and B)

697. ALVARADO HARBOR. 1874. 1 item.
Manuscript chart of the harbor entrance and lagoons adjacent to the city of Alvarado, showing the extent of the town, soundings, telegraph wires, and a small drawing of the U.S.S. *Fortune.* Approx. 8 inches to 1 nautical mile. (Filed as 241.24, #3)

698. MOUTH OF COATZACOALCOS RIVER. 1870-71. 1 item.
"Tracing No. 1" showing soundings, the shoreline, and sailing directions. 1:5,000.

Source: U.S.S. *Mayflower.* (Filed as 242.21)

699. HARBOR WORKS AT COATZACOALCOS (PUERTO MEXICO). Ca. 1905. 1 item.
"Obras del Puerto de Coatzacoalcos." Printed map of the harbor and part of the city, submitted by the Branch Hydrographic Office at New Orleans, 1905, showing harbor works under construction. 1:12,000. (Filed as 552.15, #1)

700. ENTRANCE TO COATZACOALCOS (PUERTO MEXICO). 1907 and 1908. 2 items.
Blueprints, forwarded by the American Hawaiian Steamship Co., showing soundings at the bar and a channel at the entrance to the port. 1:5,000. (Filed as 552.15, #4 and #5)

701. TABASCO HARBOR ENTRANCE. 1869. 1 item.
"Entrada de la Barra y Puerto de Tabasco Marzo 20 de 1869." Manuscript chart containing penciled notes in English. 3 inches to 1 nautical mile. Source is unknown. (Filed as 251.21)

702. ENTRANCE TO LAGUNA DE TERMINOS, CAMPECHE PROVINCE. 1874. 1 item.
Tracing of soundings at the west entrance to the Laguna de Terminos, including the location of the town of Carmen. An attached note describes the locality and tides. Approx. 3 inches to 1 nautical mile. Source: U.S.S. *Fortune.* (Filed as 241.24, #2)

703. CAMPECHE AND APPROACHES. 1871. 1 item.
"Plano de la Costa y Sonda de Campeche, Golfo de Mexico." Tracing showing hydrography, coastal topography, a road, settlements, and notes and sailing directions in Spanish. 2 inches to 1 nautical mile. Source is unknown. (Filed as 251.22)

704. SEARCH FOR CABEZA ROCK (NEAR ARCAS CAYS), GULF OF CAMPECHE. 1874. 2 items.
Manuscript chart and tracing showing the track of the U.S.S. *Fortune* and soundings southwest of Arcas Cays. Also shown are additional soundings by H.M.S. *Thunder.* 1 inch to approx. 1 nautical mile. (Filed as 241.24, #1a and #1b)

705. PUERTO MORELOS ANCHORAGE, YUCATAN. 1902. 2 items.
Two charts received from the S.S. *Havana* of the Ward steamship line: a blueprint entitled "Bahia de Puerto Morelos" and a sketch chart entitled "Plano del Puerto de Morelos." Shown are hydrographic features and shorelines. Scales vary. (Filed as 5122.46, #1 and #2)

MEXICO, WEST COAST

706. COAST OF BAJA CALIFORNIA AND THE GULF OF CALIFORNIA. 1873-75. 29 items.
Series of finished coast charts, filed as portfolio-1 among the survey records of the U.S.S. *Narragansett*, under Comdr. George Dewey, showing hydrography and topography in a narrow band along the coast. Interior lands are unmapped except for a few mountain peaks used as observation points. Coverage of the 29 sheets is shown on index charts prepared in the Hydrographic Office (see entry 675). The sheets are arranged to follow the coast from north to south as follows:

1. San Diego to Todos Santos
2. Todos Santos to Cape Colnett
3. Cape Colnett to San Quentin
4. San Quentin to Canoas Point
5. Canoas Point to latitude 28°25′
6. Latitude 28°25′ to Morro Hermoso (including San Benito and Cerros Islands)
7. Morro Hermoso to Ballenas Bay
8. Ballenas Bay to Boca de las Animas
9. Boca de las Animas to Cape Lazaro
10. Cape Lazaro to latitude 24°
11. Latitude 24° to Cape San Lucas
12. Perico Point to San Francisco
13. Monserrate Island to San Nicolas Bay
14. San Nicolas Bay to Cape Virgins
15. Cape Virgins to San Francisquito Bay
16. Ballenas Channel to Cape Tepoca
17. Head of gulf to Point San Felipe
18. George Bay

19. Georges Island to Cape Tepoca
20. Cape Tepoca to San Rafael Bay
21. Latitude 28°25′ to Yaqui River
22. Yaqui River to Santa Barbara Bay
23. Point Rosa to Santa Maria Island
24. San Ignacio Point to Colorado Point
25. Culica River to Elota River
26. Point San Miguel to latitude 22°56′
27. East side of gulf, latitude 22°56′ to 22°00′
28. Latitude 22°00′ to Punta Raza
29. Punta Raza to Cape Corrientes

1 inch to approx. 2 nautical miles. (Filed as 283.16, portfolio 1, #1-#29)

707. COAST OF BAJA CALIFORNIA AND THE GULF OF CALIFORNIA. 1873-75. 233 items.

Rough, penciled plotting sheets and tracings (many illegible), filed as three portfolios covering the following areas:

Portfolio 3—48 sheets covering the west coast of Baja California
Portfolio 4—96 sheets covering the east coast of Baja California
Portfolio 5—89 sheets covering the east shore of the Gulf of California

Source: U.S.S. *Narragansett.* (Filed as 283.17, portfolios 3-5)

708. BAJA CALIFORNIA AND THE GULF OF CALIFORNIA REGION. Ca. 1874. 1 item.

"New Map of the South-Western States of Mexico." Tracing showing roads, settlements, and place-names in Baja California and the Sonora coast of the Gulf of California. The "Limantour land grants" are shown in Baja California. 1 inch to approx. 23 statute miles. Source: U.S.S. *Narragansett.* (Filed as 283.16, portfolio 2, #9)

709. NORTHWEST COAST OF BAJA CALIFORNIA, SAN DIEGO TO CERROS ISLANDS. Ca. 1874. 1 item.

Published chart from a reconnaissance survey by the U.S. Coast Survey under the supervision of George Davidson, 1873. Limited soundings and shoreline features are shown. 1:1,200,000. Source: U.S.S. *Narragansett.* (Filed as 283.16, portfolio 2, #33)

710. BAJA CALIFORNIA AND THE GULF OF CALIFORNIA REGION. Ca. 1874. 6 items.

Published charts (H.O. charts No. 620 and 621) based on the surveys by the U.S.S. *Narragansett* in 1873-75 but annotated with further corrections. These charts were either used as survey worksheets or corrected in preparation for engraving new editions. 1 inch to approx. 8 nautical miles. (Filed as 283.16, portfolio 2, #3, #11, #11a, #12, #22, and #24)

711. SOUTHERN PART OF THE BAJA CALIFORNIA AND GULF OF CALIFORNIA REGION. Ca. 1874. 1 item.

Manuscript version of Hydrographic Office chart No. 621, without title, apparently based on the results of the U.S.S. *Narragansett* survey. Hydrography and coastal topography are shown. 1 inch to approx. 8 nautical miles. (Filed as 283.16, portfolio 2, #26)

712. CENTRAL PART OF THE GULF OF CALIFORNIA, WITH ANCHORAGE PLANS. 1874. 1 item.

Published chart of the Gulf of California between latitudes 25° and 28°30′ N. (British Admiralty chart No. 2324, dated 1870), with annotations relating largely to geographic positions. Insets: plans of Amortajada Bay, Salinas Bay (Island of Carmen), Mangles Anchorage, and Pulpito Anchorage. 1 inch to approx. 12 nautical miles. Source: U.S.S. *Narragansett.* (Filed as 283.16, portfolio 2, #52)

713. NICOLAS ISLAND, CORONADOS ISLANDS, AND COLNETT BAY, WEST COASTS OF CALIFORNIA AND BAJA CALIFORNIA. Ca. 1874. 1 item.

Published composite of three charts on one sheet (British Admiralty chart No. 1909, dated 1849), with annotations relating to the U.S.S. *Narragansett* survey. Shown are Nicolas Island (located west of Los Angeles, Calif.), Coronados Islands (located southwest of the U.S.-Mexican boundary), and

Colnett Bay (west coast of Baja California). Scales of the individual plans vary. (Filed as 283.16, portfolio 2, #49)

714. SAN JUAN CAPISTRANO ANCHORAGE, CALIF., AND PLAYA MARIA BAY AND PORT SAN BARTOLOME, BAJA CALIFORNIA. 1874. 2 items.

Two corrected copies of British Admiralty chart No. 1908 (dated 1861), a composite of several harbor plans on the Pacific Coast. San Juan Capistrano anchorage is located in southern California. Large scale. Source: U.S.S. *Narragansett.* (Filed as 283.16, portfolio 2, #36 and #50)

715. SANTA MARIA COVE, SANTA TERESA BAY, TEPOCA BAY, AND LIBERTAD ANCHORAGE, GULF OF CALIFORNIA. Ca. 1874. 1 item.

Four manuscript plans on one sheet, marked for publication as Hydrographic Office chart No. 639. Large scale. Source: U.S.S. *Narragansett.* (Filed as 283.16, portfolio 2, #25)

716. DEEP-SEA SOUNDINGS IN THE GULF OF CALIFORNIA. 1875. 2 items.

Chart and profile of soundings across the Gulf from Topolobampo to Espiritu Santo Island. Scale of chart, 1 inch to approx. 4 nautical miles. Source: U.S.S. *Narragansett.* (Filed as 282.4, #1 and #2)

717. DEEP-SEA SOUNDINGS IN THE GULF OF CALIFORNIA. 1881. 3 items.

Tracing of the Gulf (in three sections) showing "additional soundings," and two small tracings indicating the area of Agua Verde Bay (see entry 817 for related items). Scale of main charts, 1 inch to approx. 10 nautical miles. Source: U.S.S. *Ranger.* (Filed as 181.22, #3)

718. BAJA CALIFORNIA. 1885. 1 item.

Tracing showing triangulation network from Point Loma Light, San Diego, Calif., to San Quentin Bay, Baja California. Scale is not shown. Source: U.S.S. *Ranger.* (Filed as 382.3, #14)

719. BAJA CALIFORNIA FRESHWATER LOCATIONS. 1885. 1 item.

"Information furnished to Geo. Davidson by San Diego traders and hunters familiar with the coast." Tracing. Much of the coast is omitted. 1:200,000. (Filed as 381.4)

720. BAJA CALIFORNIA AND GULF OF CALIFORNIA COASTS. 1890. 21 items.

Series of 20 manuscript landscape views of shorelines and islands and small location chart of northwest Mexico, originally published as plates in Hydrographic Office publication No. 56. Several views often appear on one plate. They are arranged to follow the coast from north to south as follows:

Plate 1. Views of Table Mountain and Sharps Peak vicinity, between U.S. boundary and Descanso Point; and Point Santo Tomas and Soledad Rocks, Cape Colnett

Plate 2. Views of San Quentin and San Martin Island

Plate 3. Views of San Geronimo Island, Sacramento Reef, and Elide Island (all near Santa Rosalia Bay)

Plate 4. Views of Lagoon Head and San Benito Islands

Plate 5. Views of Point San Eugenio, Cerros Island, and Natividad Island; Port San Bartolome; and San Roque Island and Asuncion Passage from the west

Plate 6. Views of Asuncion Passage from the east, Abreojos Point and Whale Rock, and San Ignacio Lagoon entrance

Plate 7. Views of Ballenas Bay from the southeast, Point San Juanico, and Boca de San Domingo

Plate 8. Views of Cape San Lazaro; Magdalena Bay entrance and Santa Margarita Island; and Point San Cristobal (southern end of Baja California)

Plate 9. Views of San Lucas Cape and Bay with Los Frailes Rocks (southern end of Baja California)

Plate 10. Views of Guadalupe Island and Alijos Rock (both off the Pacific coast of Baja California); and Cape Pulmo (Palmo), Gulf of California

Plate 11. Views of San Lorenzo Channel; approach to La Paz; and harbor

of La Paz from ship's anchorage, showing buildings, wharves, ships, and U.S. consulate.

Plate 12. Views of San Francisco Island, Cayo Island, San Josef (San Jose) Island, Las Animas Island, and San Diego Island and Santa Cruz

Plate 13. Views of Carmen Island; Pulpito Point and adjacent coast of San Nicolas Bay; and Cape Virgenes and Las Tres Virgenes mountains

Plate 14. Views of Colorado River mouth

Plate 15. Views of Sonoron coast and Pinacate Mountain at Colorado River entrance and sketch of "Tiburon Canoe" with Indian paddler

Plate 16. Views of Guaymas Harbor entrance and vicinity

Plate 17. Views of Topolobampo Harbor entrance, Farallon of San Ignacio (island), Playa Colorado, and Altata Estero

Plate 18. Views of Boca Tavala, Piastla Point, and northern approach to Mazatlan

Plate 19. Views of southern approach to Mazatlan, Isabel Island and Mount San Juan (San Blas); Las Tres Marias Islands; and Cape Corrientes and Corvetena Rock

Plate 20. Views of Roca Partida (Revillagigedos Islands, off the coast of central Mexico)

(Filed as 381.43, plates 1-20)

Baja California, West Coast

721. WEST COAST OF BAJA CALIFORNIA FROM THE U.S. BOUNDARY TO SAN QUENTIN BAY. Ca. 1885. 3 items.

Smooth sheet, rough compilation sheet, and tracing showing hydrography, topography, roads, settlements, ranches, a mission, abandoned saltworks, and interior mountain peaks used as observation points. 1 inch to approx. 2 nautical miles. Source: U.S.S. *Ranger.* (Filed as 382.3, #1, #13, and #21)

722. CORONADOS ISLANDS, SOUTHWEST OF THE U.S.-MEXICAN BOUNDARY. Ca. 1885. 4 items.

Rough plotting sheet showing hydrography and topography, and three photostatic enlargements, apparently added to the files at a later date. 1 inch to approx. 1 nautical mile. Source: U.S.S. *Ranger.* (Filed as 382.3, #6)

723. SANTO TOMAS ANCHORAGE AND POINT. 1874. 1 item.

Manuscript chart showing hydrography and topography, with annotations concerning errors in meridian. Approx. 10 inches to 1 nautical mile. Source: U.S.S. *Narragansett.* (Filed as 283.16, portfolio 2, #39)

724. SOLEDAD BAY AND SANTO TOMAS ANCHORAGE. 1886. 3 items.

Smooth sheet, rough compilation sheet, and tracing of rough plotting sheet showing hydrography, topography, and a road to town of Santo Tomas. Approx. 4 inches to 1 nautical mile. Source: U.S.S. *Ranger.* (Filed as 382.3, #8, #15, and #17)

725. COLNETT BAY. 1886. 3 items.

Smooth sheet, rough compilation sheet, and tracing showing hydrography, topography, and a landing site. Scale of smooth sheet, 4 inches to 1 nautical mile. Source: U.S.S. *Ranger.* (Filed as 382.3, #5, #9, and #9a)

726. HASSLER COVE, SAN MARTIN ISLAND (NORTH OF SAN QUENTIN). 1874. 1 item.

Manuscript chart showing soundings, shoreline features, and a lagoon. Approx. 18 inches to 1 nautical mile. Source: U.S.S. *Narragansett.* (Filed as 283.16, portfolio 2, #61)

727. HASSLER COVE, SAN MARTIN ISLAND (NORTH OF SAN QUENTIN). 1886-87. 1 item.

Rough worksheet showing soundings and triangulation data. Approx. 5 inches to 1 nautical mile. Source: U.S.S. *Ranger.* (Filed as 382.3, #4)

728. SAN QUENTIN BAY AND ADJACENT COAST TO THE NORTH, INCLUDING SAN MARTIN ISLAND. 1886. 4 items.

Smooth sheet, tracing of smooth sheet, and rough plotting sheets showing hydrography, topography, saltworks, a ranch, and a road. Insets: plans of sandbar at entrance to San Quentin Bay and Hassler Cove on San Martin Island. 2 inches to 1 nautical mile. Source: U.S.S. *Ranger.* (Filed as 382.3, #7, #7a, #12, and #16)

729. PORT SAN QUENTIN. 1873. 1 item.

Manuscript chart showing hydrography and topography and annotated with corrections. Approx. 3 inches to 1 nautical mile. Source: U.S.S. *Narragansett.* (Filed as 283.16, portfolio 2, #32)

730. PORT SAN QUENTIN. Ca. 1875. 1 item.

Tracing showing limited soundings, the shoreline, and a village. Approx. 4 inches to 1 nautical mile. Source: U.S.S. *Narragansett.* (Filed as 283.16, portfolio 2, #6)

731. ENTRANCE TO SAN QUENTIN BAY. 1886. 1 item.

Rough chart of sandbar at north side of San Quentin Bay showing soundings, triangulation data, and notes on topography. Approx. 5 inches to 1 nautical mile. Source: U.S.S. *Ranger.* (Filed as 382.3, #2)

731a. GUADALUPE ISLAND, OFF THE COAST OF BAJA CALIFORNIA. 1881. 2 items.

Manuscript chart and tracing from a reconnaissance by the officers of the U.S. Coast and Geodetic Survey steamer *Hassler.* The shoreline, topography, and place-names are indicated. Inset: plan of Whalers Bay. 1:200,000. (Filed as 382.72, #1 and #2)

732. GUADALUPE ISLAND, OFF THE COAST OF BAJA CALIFORNIA. 1897. 2 items.

Charts, one manuscript and one published, showing topography and a landing. 1 inch to 2 nautical miles. Source: U.S. Coast Survey steamer *Gedney.* (Filed as 2102.34)

733. GUADALUPE ISLAND, OFF THE COAST OF BAJA CALIFORNIA. 1908. 1 item.

Photocopy of a topographic map of the island, compiled by Frank A. Garbutt of the yacht *Skidbladnir* to accompany a special report for the Mexican Government. Topography and anchorage soundings are shown. 1 inch to 1 nautical mile. (Filed as 533.11)

734. SAN QUENTIN TO ABREOJOS POINT. 1887-90. 27 items.

Preliminary boat sheets and other worksheets from survey. Scales vary. Source: U.S.S. *Ranger.* (Filed as 382.4, #8-#30, #32-#34, #40, and #41)

735. TRIANGULATION OF COAST FROM SAN QUENTIN TO LAGOON HEAD. 1887. 2 items.

Rough and smooth triangulation sheets, both on tracing cloth. 1 inch to 2 nautical miles. Source: U.S.S. *Ranger.* (Filed as 382.3, #3 and #3a)

736. SAN QUENTIN TO LAGOON HEAD. 1887. 2 items (each in 2 sections).

Smooth sheet and rough compilation sheet showing hydrography, topography, and a trail to "Calmalline Placer Mines." 1 inch to 2 nautical miles. Source: U.S.S. *Ranger.* (Filed as 382.4, #3 and #7)

737. SAN GERONIMO ISLAND AND SACRAMENTO REEF. 1873. 1 item.

Manuscript chart showing topography and soundings. 6 inches to 1 nautical mile. Source: U.S.S. *Narragansett.* (Filed as 283.16, portfolio 2, #51)

738. ROSARIO BAY, SACRAMENTO REEF, AND SAN GERONIMO ISLAND. 1887. 2 items.

Smooth sheet and rough compilation sheet showing hydrography, topography, and the location of the wreck P.M.S.S. *Sacramento.* The rough sheet contains an inset chart of San Geronimo Island at larger scale (8 inches to 1 nautical mile). Scale of smooth sheet, 2 inches to 1 nautical mile. Source: U.S.S. *Ranger.* (Filed as 382.4, #1 and #2)

739. POINT BLANCO TO LAGOON HEAD. 1887. 2 items.

"Blanco, Falsa, Playa Maria, and Rosalia Bays." Smooth sheet and rough compilation sheet showing hydrography, topography, and trails to Millan's Ranch, Higgan's Ranch, "Calmalli Placer Mine,"

and San Boya. 1 inch to 1 nautical mile. Source: U.S.S. *Ranger.* (Filed as 382.4, #6 and #38)

740. LAGOON HEAD ANCHORAGE. Ca. 1887. 1 item.
Rough plotting sheet showing hydrography, triangulation data, and a trail to "Callmalline Placer Mines." 1 inch to 1 nautical mile. Source: U.S.S. *Ranger.* (Filed as 382.4, #4)

741. SEBASTIAN VISCAINO BAY VICINITY: LAGOON HEAD TO POINT SAN EUGENIO AND CERROS ISLAND. Ca. 1886. 1 item.
Rough plotting sheet showing hydrography, the shoreline, and triangulation points. 1 inch to 2 nautical miles. Source: U.S.S. *Ranger.* (Filed as 382.3, #23)

742. SEBASTIAN VISCAINO BAY VICINITY: LAGOON HEAD TO SAN CRISTOBAL, INCLUDING CERROS ISLAND AND PORT SAN BARTOLOME. Ca. 1886. 1 item.
Tracing showing soundings and rough indication of topography. 1 inch to 2 nautical miles. Source: U.S.S. *Ranger.* (Filed as 382.3, #24)

743. SEBASTIAN VISCAINO BAY VICINITY: LAGOON HEAD TO POINT SAN EUGENIO AND CERROS ISLAND. 1887. 1 item.
"Tracing showing progress of work . . . Lagoon Head to Pt. San Eugenio, and parts of Cerros and Natividad Islands." Included are extensive soundings, shorelines, and a trail to "Calmalline Placer Mines." 1 inch to 2 nautical miles. Source: U.S.S. *Ranger.* (Filed as 382.4, #35)

744. SEBASTIAN VISCAINO BAY VICINITY: LAGOON HEAD TO PORT SAN BARTOLOME, CERROS ISLAND, AND SAN BENITOS ISLANDS. 1887-89. 2 items.
Smooth sheet and rough compilation sheet showing hydrography, topography, and a trail to "Callamine Placer Mines." 1 inch to 1 nautical mile. Source: U.S.S. *Ranger.* (Filed as 382.4, #5 and #39)

745. CERROS, NATIVIDAD, AND SAN BENITOS ISLANDS. 1873. 1 item.
Corrected chart (British Admiralty chart No. 2795, dated 1846) showing hydrography and topography. 1 inch to approx. 1 1/4 nautical miles. Source: U.S.S. *Narragansett.* (Filed as 283.16, portfolio 2, #58)

746. SOUTH BAY, CERROS ISLAND. 1888. 1 item.
Rough plotting sheet showing hydrography, shoreline features, and triangulation stations. An attached sheet gives scale, triangulation, and tidal information. 4 inches to 1 nautical mile. Source: U.S.S. *Ranger.* (Filed as 382.4, #19)

747. SAN BENITOS ISLANDS. Ca. 1886. 1 item.
Rough plotting sheet showing hydrography, the shoreline, and triangulation data. Large scale. Source: U.S.S. *Ranger.* (Filed as 382.3, #22)

748. SAN BENITOS ISLANDS. 1888. 1 item.
Rough plotting sheet showing hydrography, topography, and triangulation stations. An attached sheet gives scale, triangulation, and tidal data. 4 inches to 1 nautical mile. Source: U.S.S. *Ranger.* (Filed as 382.4, #37)

749. PORT SAN BARTOLOME. 1888. 1 item.
Rough plotting sheet showing hydrography, topography, and triangulation stations. An attached sheet gives scale, triangulation, and tidal data. 4 inches to 1 nautical mile. Source: U.S.S. *Ranger.* (Filed as 382.4, #36)

750. SAN BARTOLOME BAY TO ABREOJOS POINT. 1890. 1 item.
"Rough Plotting Sheet" drafted in the Hydrographic Office from the survey records of the U.S.S. *Ranger* and marked in red to show coverage of larger scale sheets, "Asuncion Anchorage and Vicinity" and "Abreojos Anchorage and Vicinity" (see entries 752 and 756). Hydrography, topographic contours, triangulation stations, and place-names are shown. 1 inch to 2 nautical miles. (Filed as 382.4, #42)

751. ASUNCION PASSAGE AND ISLAND. 1873. 1 item.
Manuscript chart showing hydrography and topography. Approx. 3 inches to 1 nautical mile. Source: U.S.S. *Narragansett.* (Filed as 283.16, portfolio 2, #46)

752. ASUNCION ANCHORAGE AND VICINITY. 1890. 1 item.

Manuscript chart, plotted in the Hydrographic Office from the survey records of the U.S.S. *Ranger,* covering Asuncion Passage, Island, and Bay and San Roque Bay and showing hydrography, topography, and a boat landing on Asuncion Island. 4 inches to 1 nautical mile. (Filed as 382.4, #31)

753. SAN HIPOLITO BAY AND ABREOJOS POINT. Ca. 1893. 1 item.

Tracing showing hydrography, topography, and triangulation stations. 1 inch to approx. 2 nautical miles. Source: U.S.S. *Thetis.* (Filed as 442.0, #28)

754. ABREOJOS POINT AND REEF. 1875. 1 item.

Manuscript chart annotated "rejected" and "replotted" and showing hydrography, topography, and lagoons. 1 inch to 1 nautical mile. Source: U.S.S. *Narragansett.* (Filed as 283.16, portfolio 2, #45)

755. ABREOJOS ANCHORAGE. Ca. 1889. 1 item.

Tracing showing soundings at the east side of Abreojos Point. Approx. 8 inches to 1 nautical mile. Source: U.S.S. *Ranger.* (Filed as 281.19, #1)

756. ABREOJOS ANCHORAGE AND VICINITY. 1890. 1 item.

Manuscript chart, plotted in the Hydrographic Office from the survey records of the U.S.S. *Ranger,* showing hydrography, topography, triangulation stations, and a landing place. 1 inch to 1 nautical mile. (Filed as 382.4, #43)

757. ABREOJOS ANCHORAGE AND VICINITY. Ca. 1891. 1 item.

Published chart of Abreojos Anchorage and vicinity (H.O. chart No. 1294, based on the 1889-90 surveys by the U.S.S. *Ranger*), annotated to show additional areas of coastal sand. 2 inches to 1 nautical mile. (Filed as 281.19, #2)

758. ABREOJOS POINT TO BOCA DE LAS ANIMAS. 1892-94. 64 items.

Preliminary worksheets from survey—boat, triangulation, and rough plotting sheets; list summarizing work done, distances covered, and coal used during the 1892-93 season; and 50 chronograph comparison sheets for longitude determination. Scales vary. Source: U.S.S. *Thetis.* (Filed as 442.0, #16, #17, #21, #23, #29-#34, #36-#39, and #41)

759. ABREOJOS POINT TO BOCA DE LAS ANIMAS. 1892-94. 1 item.

Smooth sheet showing results of hydrographic and topographic surveys and notes on natural cover and vegetation, freshwater springs, trails to "Purissima" and "Comondu," observation stations, and placenames. 1 inch to 2 nautical miles. Source: U.S.S. *Thetis.* (Filed as 442.0, #40)

760. BALLENAS BAY (SAN IGNACIO LAGOON) TO PEQUENA BAY. 1892-93. 1 item (2 sections).

Tracing "showing character of country" and the course of the launch and boats offshore, the trail of the main triangulation party inland, a sketch of the topography, notes on natural cover and vegetation, the village of San Jose de Gracia, ranches, and triangulation stations. 1 inch to 1 nautical mile. Source: U.S.S. *Thetis.* (Filed as 442.0, #26 and #27)

761. BALLENAS BAY TO SAN JUANICO POINT. 1893-94. 8 items.

Rough, penciled profile sketches by Assistant Surgeon and Topographer G. A. Lung, arranged as follows:

1. View of Ballenas Bay
2. View of Ballenas Bay
3. View at anchor off station "Camp" (south of San Ignacio Lagoon)
4. View at anchor near station "Cliff" (near San Domingo Point)
5. View from station "Cliff"
6. View off Dry Lagoon south of Pequena Bay
7. View off San Juanico (or San Gregorio) Lagoon
8. View off Boca de la Pavilion (Pabellon) south of San Juanico Point

Source: U.S.S. *Thetis.* (Filed as 442.0, #24)

762. HUTCHIN'S BANK AND MOORE'S BANK, SOUTHWEST OF SAN DOMINGO POINT, WEST COAST OF BAJA CALIFORNIA. 1893. 4 items.

Manuscript charts and tracings of soundings taken at coral reefs discovered by the U.S.S. *Thetis*. Large scale. (Filed as 442.0, #18, #18a, #19, and #20)

763. PEQUENA BAY, WEST COAST OF BAJA CALIFORNIA. Ca. 1893. 1 item.

Tracing showing hydrography, freshwater points, notes on vegetation cover, and triangulation stations. 4 inches to 1 nautical mile. Source: U.S.S. *Thetis*. (Filed as 442.0, #25)

764. PEQUENA BAY TO BOCA DE LAS ANIMAS (INCLUDING POINT SAN JUANICO). 1893-94. 1 item.

Planetable topographic sheet drawn by Assistant Surgeon and Topographer G. A. Lung. Notes indicate that it was drawn at triangulation stations as they were successively occupied and that it was improved aboard ship. It shows topography, notes on natural cover and vegetation, freshwater springs, and trails to "Purissima" and "Comondu." 1 inch to approx. 2 nautical miles. Source: U.S.S. *Thetis*. (Filed as 442.0, #35)

765. SAN JUANICO (SAN GREGORIO) LAGOON AND PURISIMA RIVER. 1893. 1 item.

Smooth sheet showing hydrography, head of tidewater, topography, a ranch, and triangulation stations. Approx. 1 1/4 inches to 1 nautical mile. Source: U.S.S. *Thetis*. (Filed as 442.0, #22)

766. PEQUENA BAY TO MAGDALENA BAY. 1894-95. 11 items.

Preliminary worksheets from hydrographic survey—triangulation sheets, boat sheets, graphic records of tides, a field chart of main triangulation, and tracings. Scales vary. Source: U.S.S. *Thetis*. (Filed as 263.40, #43-#45, #58-#60, #80, #84, #88, and #93)

767. PEQUENA BAY TO MAGDALENA BAY. 1894-95. 7 items.

Finished topographic sheets numbered 1 through 4 (items #62-#65), an enlargement of sheet No. 2 (item #62a), and two rough preliminary sheets (items #91 and #92). A chart of the port of Magdalena, containing a perspective drawing of the individual buildings in the town, is shown on topographic sheet No. 4 (item #65). Several sheets show ranches, types of vegetation cover, and campsites of the survey parties. Scales vary. Source: U.S.S. *Thetis*. (Filed as 263.40, #62, #62a, #63-#65, #91, and #92)

768. COASTAL LAGOON FROM BOCA DE LAS ANIMAS TO MAGDALENA BAY. 1894-95. 2 items (each in 4 sections).

Smooth sheet and tracing showing soundings, coastal topography, and vegetation cover. Approx. 2 inches to 1 nautical mile. Source: U.S.S. *Thetis*. (Filed as 263.40, #52-#55, #78, #83, #85, and #86)

769. BOCA DE LAS ANIMAS TO MAGDALENA BAY. 1894-95. 1 item.

Smooth sheet showing results of hydrographic and topographic surveys, including vegetation cover, ranches, trails, and triangulation stations. 1 inch to approx. 2 nautical miles. Source: U.S.S. *Thetis*. (Filed as 263.40, #95)

770. THETIS BANK, OFF CAPE SAN LAZARO. 1894-95. 2 items.

Manuscript chart and tracing showing soundings and the wreck of the SS *Golden City*. Approx. 2 inches to 1 nautical mile. Source: U.S.S. *Thetis*. (Filed as 263.40, #78 and #82)

771. MAGDALENA BAY. 1875. 1 item.

Published preliminary chart of Magdalena Bay (H.O. chart No. 644, based on surveys of 1871 and 1873), annotated with corrections. 1 inch to approx. 1 1/4 nautical miles. Source: U.S.S. *Narragansett*. (Filed as 283.16, portfolio 2, #15)

772. MAGDALENA BAY. 1890. 1 item.

Tracing of H.O. chart No. 813, received from the cable steamer *Relay* of the Central and South American Telegraph Co. of New York, showing the extension of a bank and submarine telegraph cables. Scale is not given. (Filed as 183.40)

773. MAGDALENA BAY AND VICINITY. 1894-95. 2 items.
"Auxiliary sheet" and tracing showing triangulation and shoreline information for Magdalena, Almejas, and Santa Maria Bay. 1 inch to approx. 1 nautical mile. Source: U.S.S. *Thetis.* (Filed as 263.40, #57 and #79)

774. SAN CARLOS AND HULL CHANNELS, MAGDALENA BAY. 1894-95. 2 items.
Smooth sheet and rough compilation sheet showing soundings, a village, and dwellings on adjacent coasts. 2 inches to approx. 1 nautical mile. Source: U.S.S. *Thetis.* (Filed as 263.40, #51 and #56)

775. SANTA MARIA LAGOON, MAGDALENA BAY. 1894-95. 1 item.
Smooth sheet showing shoreline. Approx. 2 inches to 1 nautical mile. Source: U.S.S. *Thetis.* (Filed as 263.40, #61)

776. MAGDALENA BAY. 1894. 1 item.
Two terrain sketches on one sheet, drawn in December 1894 by Assistant Surgeon and Topographer G. A. Lung, showing the inside entrance to the bay and the U.S.S. *Thetis.* (Filed as 263.40, #47)

777. MAGDALENA BAY. 1894-95. 2 items.
Two copies of a published chart of Magdalena Bay (H.O. chart No. 644, dated 1871), annotated with corrections to the shoreline. 1 inch to approx. 1 1/4 nautical miles. Source: U.S.S. *Thetis.* (Filed as 263.40, #42)

778. MAGDALENA BAY TO TODOS SANTOS. 1895-96. 9 items.
Preliminary triangulation and boat sheets from a survey of Magdalena Bay, Almejas Bay, and Margarita Island. Scales vary. Source: U.S.S. *Thetis.* (Filed as 591.28, #5-#11, #14, and #15)

779. MAGDALENA BAY TO TODOS SANTOS. 1895-96. 1 item (2 sections).
"Rough Deck Sheet" showing soundings, triangulation stations, penciled notes indicating shoreline characteristics, freshwater locations along the coast, names of river mouths, and dwellings. 1 inch to approx. 2 nautical miles. Source: U.S.S. *Thetis.* (Filed as 591.28, #3 and #4)

780. MAGDALENA BAY. 1895-96. 1 item.
"Rough Deck Sheet" showing soundings, the shoreline, and triangulation stations. Approx. 2 inches to 1 nautical mile. Source: U.S.S. *Thetis.* (Filed as 591.28, #1)

781. SANTA MARGARITA ISLAND, MAGDALENA BAY VICINITY. 1895-96. 2 items.
Topographic chart of the island and a tracing showing triangulation stations. 1 inch to 1 nautical mile. Source: U.S.S. *Thetis.* (Filed as 591.28, #12 and #13)

782. ALMEJAS BAY, MAGDALENA BAY VICINITY. 1895-96. 1 item.
"Rough Deck Sheet" showing hydrography, the shoreline, and triangulation stations. Approx. 2 inches to 1 nautical mile. Source: U.S.S. *Thetis.* (Filed as 591.28, #2)

783. TODOS SANTOS (ENSENADA) BAY. 1873. 1 item.
Manuscript chart of "Ensenada Anchorage," marked for publication as Hydrographic Office chart No. 631, showing hydrographic and topographic information. Approx. 12 inches to 1 nautical mile. Source: U.S.S. *Narragansett.* (Filed as 283.16, portfolio 2, #10)

784. TODOS SANTOS (ENSENADA) BAY. 1886. 5 items.
Smooth sheet, rough compilation sheet, and tracings showing hydrography, topography, a plan of the town of Ensenada, a ranch, cultivated fields, a trail leading to San Diego, and an old plantation called Cipresal. Also shown on the rough plotting sheet and tracings are Packard's whaling camp and additional trails. Scale of smooth sheet, approx. 3 inches to 1 nautical mile. Source: U.S.S. *Ranger.* (Filed as 382.3, #10, #10a, and #18-#20)

785. SOUTHWEST AND SOUTHERN COASTS OF BAJA CALIFORNIA FROM TOSCO POINT TO PESCADEROS POINT. 1895-97. 1 item.
Smooth sheet covering area from Tosco Point (Santa Margarita Island) on the west coast to Pescaderos Point on the east coast and showing hydrographic and topographic features near the coast, including roads and settlements; a few isolated mountain peaks;

and the approximate position of the town of Miraflores in the interior of the peninsula. 1 inch to 2 nautical miles. Source: U.S.S. *Thetis.* (Filed as 3102.16, #36)

786. SOUTHERN COAST OF BAJA CALIFORNIA. 1897. 1 item.

Hydrographic sheet covering area from Lobos Point on the west coast to Pescaderos Point on the east coast and showing soundings and triangulation stations. 1 inch to 1 nautical mile. Source: U.S.S. *Thetis.* (Filed as 3102.16, #31)

787. SOUTHERN COAST OF BAJA CALIFORNIA. 1897. 2 items.

Topographic sheet covering area from Lobos Point on the west coast to Pescaderos Point on the east coast. Settlements, ranches, and trails in the coastal area are emphasized. Penciled note describes vegetation. Also included is a smaller supplementary tracing showing mountain peaks in the interior of the peninsula that apparently were used as observation points. Scale of main chart, 1 inch to 1 nautical mile. Source: U.S.S. *Thetis.* (Filed as 3102.16, #32 and #32 supplement)

788. SAN LUCAS BAY, SOUTHERN COAST OF BAJA CALIFORNIA. 1873. 1 item.

Manuscript chart, marked for publication as part of Hydrographic Office chart No. 635, showing hydrography, topography, a village, wells, and "Ritchie's Ho." Approx. 3 inches to 1 nautical mile. Source: U.S.S. *Narragansett.* (Filed as 283.16, portfolio 2, #41)

789. CAPE SAN LUCAS AND VICINITY, SOUTHERN COAST OF BAJA CALIFORNIA. 1896. 1 item.

Smooth sheet showing hydrography, topography, cultivated fields, buildings, a graveyard, and roads. Approx. 4 inches to 1 nautical mile. Source: U.S.S. *Thetis.* (Filed as 3102.16, #33)

790. SAN LUCAS AND SAN JOSE DEL CABO BAYS, SOUTHERN COAST OF BAJA CALIFORNIA. 1874. 1 item.

Published British Admiralty chart No. 1913, dated 1861 (consisting of two plans and annotated with corrections), of San Lucas and San Jose del Cabo Bays. Shown are hydrographic and topographic features, including the village of Salatea (later San Jose del Cabo). Large scale. Source: U.S.S. *Narragansett.* (Filed as 283.16, portfolio 2, #37)

791. SAN JOSE DEL CABO BAY, SOUTHERN COAST OF BAJA CALIFORNIA. 1873. 1 item.

Manuscript chart, marked for publication as part of Hydrographic Office chart No. 635, showing hydrography and topography, including the village of San Jose (formerly Salatea) and a salatea (salt marsh). Approx. 2 inches to 1 nautical mile. Source: U.S.S. *Narragansett.* (Filed as 283.16, portfolio 2, #41)

792. SAN JOSE DEL CABO BAY, SOUTHERN COAST OF BAJA CALIFORNIA. Ca. 1896. 1 item.

Rough manuscript chart, marked for publication as preliminary Hydrographic Office chart No. 642p, showing hydrography, topography, the town of San Jose, roads, and ranches. Approx. 4 inches to 1 nautical mile. Source: U.S.S. *Thetis.* (Filed as 3102.16, #34)

793. GORDA BANKS, OFF GORDA POINT, SOUTHERN COAST OF BAJA CALIFORNIA. 1897. 4 items.

Two large-scale sounding sheets showing Gorda Banks and two published Hydrographic Office charts (Nos. 621 and 635) of the southern part of Baja California, annotated to show the location of the banks. Scales vary. Source: U.S.S. *Thetis.* (Filed as 3102.16, #35; 3102.16-a)

Baja California, East Coast

794. SOUTHEAST COAST OF BAJA CALIFORNIA. 1902. 1 item.

Smooth sheet showing the results of a hydrographic and topographic survey from Pescaderos Point to La Paz Bay, including Muertos Bay, Ventana Bay, Ceralbo Island, and Espiritu Santo Island. Included are triangulation points, trails, the town of La Paz, and freshwater locations along the coast. Approx. 1 1/2 inches to 1 nautical mile. Source: U.S.S. *Ranger.* (Filed as 133.29, #1a)

795. SAN LORENZO CHANNEL, APPROACH TO LA PAZ, EAST COAST OF BAJA CALIFORNIA. 1848. 1 item.

"Passage between Espiritu Santa and the Main into the Bay of La Paz by Lieut. G. F. Emmons U.S.N. USS *Ohio,* 1848." Manuscript chart, annotated in pencil "20 Years later H.B. Ship *Scout* Struck on a shoal about in the position of S. Shoal—which had been omitted on their chart" and filed among the survey records of the U.S.S. *Narragansett,* 1873-75. Shown are soundings, North Shoal, South Shoal, and adjacent topography. 1 inch to 1 nautical mile. (Filed as 282.8, #6)

796. SAN LORENZO CHANNEL, APPROACH TO LA PAZ, EAST COAST OF BAJA CALIFORNIA. 1862. 1 item.

"Approach to La Paz by inner Channel—1862." Tracing (filed among the records of the U.S.S. *Narragansett,* 1873-75) showing soundings and Republic Shoal. 2 inches to 1 nautical mile. Source is not given, but the words "Wyoming Struck" on the chart indicate that it may have been the U.S.S. *Wyoming.* (Filed as 282.8, #5)

797. SAN LORENZO CHANNEL, APPROACH TO LA PAZ, EAST COAST OF BAJA CALIFORNIA. Ca. 1863. 1 item.

Tracing (filed among the records of the U.S.S. *Narragansett,* 1873-75) showing soundings and a shoal. Scale is not shown. Source is not identified, but the chart is signed by Ensign Lindeman, USN. (Filed as 282.8, #4)

798. SAN LORENZO CHANNEL, APPROACH TO LA PAZ, EAST COAST OF BAJA CALIFORNIA. 1866. 1 item.

Tracing (filed among the survey records of the U.S.S. *Narragansett,* 1873-75) of the channel as surveyed in 1866 by the U.S.S. *Suwanee.* Soundings and shoals are shown. Approx. 1 1/2 inches to 1 nautical mile. (Filed as 282.8, #1)

799. SAN LORENZO CHANNEL, APPROACH TO LA PAZ, EAST COAST OF BAJA CALIFORNIA. 1872. 1 item.

Manuscript chart (filed among the survey records of the U.S.S. *Narragansett,* 1873-75) of the channel as surveyed in 1872 by the U.S.S. *Mohican.* Shown are soundings, San Lorenzo Reef, and Scout Shoal. 1:36,000. (Filed as 283.16, portfolio 2, #23. Field notes from the *Mohican* survey are filed as 283.18 among the textual records.)

800. SAN LORENZO CHANNEL, APPROACH TO LA PAZ, EAST COAST OF BAJA CALIFORNIA. 1873. 1 item.

Manuscript chart showing soundings, Suwanee Shoal, San Lorenzo Shoal, and Scout Shoal. 2 inches to 1 nautical mile. Source: U.S.S. *Narragansett.* (Filed as 283.16, portfolio 2, #53)

801. SAN LORENZO CHANNEL AND PICHILINQUE HARBOR, APPROACH TO LA PAZ, EAST COAST OF BAJA CALIFORNIA. 1875. 1 item.

Published Hydrographic Office chart No. 636, San Lorenzo Channel (2 inches to 1 nautical mile) and Pichilinque Harbor (8 inches to 1 nautical mile), based on surveys in 1873 and 1874 by the U.S.S. *Narragansett* and annotated to show additional tracks. (Filed as 283.16, portfolio 2, #1)

802. SAN LORENZO CHANNEL AND PICHILINQUE HARBOR, APPROACH TO LA PAZ, EAST COAST OF BAJA CALIFORNIA. 1876. 1 item.

"San Lorenzo Channel and Approaches to La Paz Harbor." Manuscript chart, based on surveys of 1873-75 and marked for publication as Hydrographic Office chart No. 42, showing hydrography, topography, and place-names. Approx. 2 inches to 1 nautical mile. Source: U.S.S. *Narragansett.* (Filed as 282.8, #7)

803. PICHILINQUE HARBOR, APPROACH TO LA PAZ, EAST COAST OF BAJA CALIFORNIA. Ca. 1875. 2 items.

Manuscript chart and tracing with additional information. Shown are hydrography, topography, and U.S. coalshed. 12 inches to 1 nautical mile. Source: U.S.S. *Narragansett.* (Filed as 283.16, portfolio 2, #18 and #19)

804. PICHILINQUE HARBOR, APPROACH TO LA PAZ, EAST COAST OF BAJA CALIFORNIA. 1901. 1 item.

Manuscript survey chart showing extensive soundings and other hydrographic data,

topography, the U.S. coaling station building on San Juan Nepomucino Island, a road, salt beds, and triangulation stations. 1:5,000. Source: U.S.S. *Ranger.* (Filed as 4121.15, #42)

805. SAN LORENZO CHANNEL AND PICHILINQUE HARBOR, APPROACH TO LA PAZ, EAST COAST OF BAJA CALIFORNIA. 1902. 3 items.

Preliminary worksheet and tracings from survey. Scales vary. Source: U.S.S. *Ranger.* (Filed as 133.29, #3a-#5a)

806. PICHILINQUE HARBOR, APPROACH TO LA PAZ, EAST COAST OF BAJA CALIFORNIA. 1902. 1 item.

Tracing showing topography and the location of the U.S. coaling station. Large scale. Source: U.S.S. *Ranger.* (Filed as 133.29, #6a)

807. SAN LORENZO CHANNEL AND PICHILINQUE HARBOR, APPROACH TO LA PAZ, EAST COAST OF BAJA CALIFORNIA. 1902. 1 item.

Manuscript survey chart showing extensive soundings and other hydrographic data, topography, triangulation stations, and a U.S. coaling station. Approx. 3 1/2 inches to 1 nautical mile. Source: U.S.S. *Ranger.* (Filed as 133.29, #2a)

808. LA PAZ HARBOR, EAST COAST OF BAJA CALIFORNIA. 1861-66. 1 item.

"Puerto La Paz." Tracing of an 1861 Spanish chart corrected on board the U.S.S. *Suwanee,* ca. 1866, and filed among the survey records of the U.S.S. *Narragansett,* 1873-75. Shown are harbor soundings, streets, buildings, and a cemetery. Approx. 1:16,000. (Filed as 282.8, #3)

809. LA PAZ HARBOR AND VICINITY, EAST COAST OF BAJA CALIFORNIA. 1863. 1 item.

Rough manuscript chart (apparently copied from an 1863 chart and filed among the records of the U.S.S. *Narragansett,* 1873-75) covering La Paz Harbor and approaches, including San Lorenzo Channel, and showing the shoreline and hydrography. Scale is not given but is approximately 1 inch to 2 nautical miles. (Filed as 282.8, #2)

810. LA PAZ HARBOR, SAN LORENZO CHANNEL, AND ESTERO DE AGIABAMPO, EAST COAST OF BAJA CALIFORNIA. 1867 and 1873-75. 1 item.

"Plans in the Gulf of California." Part of a published British Admiralty chart dated 1867 (number missing), annotated during the U.S.S. *Narragansett* survey, 1873-75. The chart contains separate plans of La Paz, San Lorenzo Channel, and Estero de Agiabampo at various scales. (Filed as 283.16, portfolio 2, #14)

811. LA PAZ HARBOR, EAST COAST OF BAJA CALIFORNIA. 1873. 1 item.

Manuscript chart showing harbor soundings, topography, and the town of La Paz. Approx. 6 inches to 1 nautical mile. Source: U.S.S. *Narragansett.* (Filed as 283.16, portfolio 2, #48)

812. LA PAZ HARBOR, EAST COAST OF BAJA CALIFORNIA. 1874. 2 items.

Manuscript chart and tracing showing hydrography, topography, the town of La Paz, and landmarks, including the windmill, the Governor's house, and the cathedral. Inset: landscape sketch. Approx. 6 inches to 1 nautical mile. Source: U.S.S. *Narragansett.* (Filed as 283.16, portfolio 2, #8 and #13)

813. LA PAZ HARBOR, EAST COAST OF BAJA CALIFORNIA. Ca. 1875. 1 item.

"Plano Hidrografico de La Paz." Tracing (filed among the records of the U.S.S. *Narragansett)* of an undated Spanish plan of the harbor showing the shoreline and soundings. Approx. 1:16,000. (Filed as 283.16, portfolio 2, #16)

814. LA PAZ HARBOR AND VICINITY, EAST COAST OF BAJA CALIFORNIA. Ca. 1875. 1 item.

Untitled tracing showing hydrography and topography at La Paz Harbor, Ceralbo Island, and Ventana Bay. 1 inch to approx. 2 nautical miles. Source: U.S.S. *Narragansett.* (Filed as 283.16, portfolio 2, #5)

815. LA PAZ HARBOR AND VICINITY, EAST COAST OF BAJA CALIFORNIA. 1901. 2 items.

Triangulation sheet covering the La Paz-Ceralbo Island area and skeleton chart of

La Paz Harbor with penciled notes. Scales vary. Source: U.S.S. *Ranger.* (Filed as 4121.15, #43 and #44)

816. LA PAZ HARBOR, EAST COAST OF BAJA CALIFORNIA. 1901. 1 item (2 sections).
Smooth chart, consisting of a northern and a southern sheet, showing results of a hydrographic survey—extensive soundings, triangulation stations, and a few topographic contours. 1:10,000. Source: U.S.S. *Ranger.* (Filed as 4121.15, #40 and #41)

817. AGUA VERDE BAY, EAST COAST OF BAJA CALIFORNIA. 1881. 2 items.
Smooth sheet and rough compilation sheet showing hydrography, mountain topography, and a ranch. Approx. 10 inches to 1 nautical mile. Source: U.S.S. *Ranger.* (Filed as 181.22, #1 and #2)

818. SANTA MARIA COVE, EAST COAST OF BAJA CALIFORNIA. 1873. 1 item.
Manuscript chart, marked for publication as part of Hydrographic Office chart No. 639 (see also entry 715), showing hydrography and topography. Approx. 4 inches to 1 nautical mile. Source: U.S.S. *Narragansett.* (Filed as 283.16, portfolio 2, #29)

819. SANTA TERESA BAY, EAST COAST OF BAJA CALIFORNIA. 1873. 1 item.
Manuscript chart, marked for publication as part of Hydrographic Office chart No. 639 (see also entry 715), showing hydrography and topography. Approx. 4 inches to 1 nautical mile. Source: U.S.S. *Narragansett.* (Filed as 283.16, portfolio 2, #27)

820. PUERTO REFUGIO, ANGEL DE LA GUARDIA ISLAND, EAST COAST OF BAJA CALIFORNIA. 1874. 1 item.
Manuscript chart showing hydrography and limited coastal topography. Approx. 4 inches to 1 nautical mile. Source: U.S.S. *Narragansett.* (Filed as 283.16, portfolio 2, #59)

821. PUERTO REFUGIO, ANGEL DE LA GUARDIA ISLAND, EAST COAST OF BAJA CALIFORNIA. 1875. 1 item.
Manuscript chart, marked for publication as Hydrographic Office chart No. 638, showing hydrography and topography. Approx. 4 inches to 1 nautical mile. Source: U.S.S. *Narragansett.* (Filed as 283.16, portfolio 2, #40)

822. PART OF SAN LUIS GONZALES BAY, EAST COAST OF BAJA CALIFORNIA. 1889. 1 item.
Reconnaissance chart of William Bay, the northern part of San Luis Gonzales Bay, showing the shoreline and soundings. Approx. 3 inches to 1 nautical mile. Source: U.S. Fish Commission steamer *Albatross.* (Filed as 381.47)

Gulf of California, Eastern Shore

823. COLORADO RIVER MOUTH, HEAD OF GULF OF CALIFORNIA. 1875. 1 item.
Manuscript chart annotated "rejected" and "redrawn" and showing hydrography, topography, vegetation cover, and the location of Port Isabel and a shipyard. Approx. 1 1/2 inches to 1 nautical mile. Source: U.S.S. *Narragansett.* (Filed as 283.16, portfolio 2, #56)

824. COLORADO RIVER MOUTH, HEAD OF GULF OF CALIFORNIA. 1875-76. 2 items.
Manuscript chart and tracing showing hydrography, topography, notes on vegetation cover, and the location of Port Isabel and a shipyard. A note on the original chart reads, "Replotted 1876." Approx. 2 inches to 1 nautical mile. Source: U.S.S. *Narragansett.* (Filed as 283.16, portfolio 2, #2 and #7)

825. TEPOCA BAY, EAST SHORE OF GULF OF CALIFORNIA. 1873. 1 item.
Manuscript chart, marked for publication as part of Hydrographic Office chart No. 639 (see also entry 715), showing the shoreline and hydrography. Approx. 6 inches to 1 nautical mile. Source: U.S.S. *Narragansett.* (Filed as 283.16, portfolio 2, #55)

826. LIBERTAD ANCHORAGE, EAST SHORE OF GULF OF CALIFORNIA. 1873. 1 item.
Manuscript chart, marked for publication as part of Hydrographic Office chart No. 639

(see also entry 715), showing hydrography and topography. Approx. 3 inches to 1 nautical mile. Source: U.S.S. *Narragansett.* (Filed as 283.16, portfolio 2, #30)

827. SAN PEDRO BAY, NORTHWEST OF GUAYMAS, EAST SHORE OF GULF OF CALIFORNIA. 1873. 1 item.
Manuscript chart showing hydrography and topography. Approx. 12 inches to 1 nautical mile. Source: U.S.S. *Narragansett.* (Filed as 283.16, portfolio 2, #44)

828. GUAYMAS HARBOR, EAST SHORE OF GULF OF CALIFORNIA. 1858. 1 item.
"Reconocimiento del Puerto Guaymas y La Costa Adjacente." Tracing (filed among the records of the U.S.S. *Narragansett,* 1873-75) showing harbor soundings, topography, vegetation cover, and buildings. 2 inches to 1 statute mile. (Filed as 283.16, portfolio 2, #17)

829. GUAYMAS HARBOR, EAST SHORE OF GULF OF CALIFORNIA. 1874. 1 item.
Published British Admiralty chart No. 2222, dated 1869 and annotated with corrections, showing hydrography, topography, and a plan of the city. 3 inches to 1 nautical mile. Source: U.S.S. *Narragansett.* (Filed as 283.16, portfolio 2, #35)

830. GUAYMAS HARBOR, EAST SHORE OF GULF OF CALIFORNIA. 1878. 1 item.
Published British Admiralty chart No. 2222, dated 1861 and annotated in 1878 in the Hydrographic Office to show triangulation points from the 1873 U.S.S. *Narragansett* survey. 3 inches to 1 nautical mile. (Filed as 283.16, portfolio 2, #54)

831. SANTA BARBARA BAY, EAST SHORE OF GULF OF CALIFORNIA. 1874. 1 item.
Manuscript chart of a small part of Santa Barbara Bay near Punta Rosa, showing hydrography, a stream, and part of an interior lagoon. Approx. 4 inches to 1 nautical mile. Source: U.S.S. *Narragansett.* (Filed as 283.16, portfolio 2, #47)

832. TOPOLOBAMPO HARBOR, EAST SHORE OF GULF OF CALIFORNIA. 1869. 2 items.
Preliminary published Hydrographic Office chart (number missing) and tracing, both based on an 1869 survey by the U.S.S. *Jamestown* and filed among the survey records of the U.S.S. *Narragansett,* 1873-75. The tracing apparently was intended for publication as Hydrographic Office chart No. 222. Hydrography, topography, and vegetation cover are shown. Approx. 2 inches to 1 nautical mile. (Filed as 283.16, portfolio 2, #20; 283.5, #1)

833. TOPOLOBAMPO HARBOR, EAST SHORE OF GULF OF CALIFORNIA. 1875. 2 items.
Manuscript chart entitled "Original sheet" and a rough compilation sheet, both marked for publication as Hydrographic Office chart No. 714, showing hydrography and topography. Insets: two small landscape views. Approx. 2 inches to 1 nautical mile. Source: U.S.S. *Narragansett.* (Filed as 283.16, portfolio 2, #4 and #21)

834. TOPOLOBAMPO HARBOR, EAST SHORE OF GULF OF CALIFORNIA. 1875. 1 item.
Tracing covering Topolobampo Harbor and adjoining Carlos Bay and showing limited soundings, topography, and a few Indian huts near the shore. Approx. 2 inches to 1 nautical mile. Source: U.S.S. *Narragansett.* (Filed as 283.5, #2)

835. ALTATA HARBOR, EAST SHORE OF GULF OF CALIFORNIA. 1882. 2 items.
Smooth sheet and rough compilation sheet showing hydrography, topography, buildings, railroad wharves, and proposed jetties. Approx. 5 inches to 1 nautical mile. Source: U.S.S. *Ranger.* (Filed as 181.14, #1 and #2)

836. ALTATA HARBOR, EAST SHORE OF GULF OF CALIFORNIA. 1888. 1 item.
Published chart (an enclosure to a letter from G. R. Douglas of the Sinaloa & Durango Railroad Co.) of Altata Harbor (H.O. chart No. 921, dated 1882), annotated to show corrected shoreline and soundings. 1 inch to 3 nautical miles. (Filed as 382.40)

837. ALTATA HARBOR, EAST SHORE OF GULF OF CALIFORNIA. 1890. 1 item.
Published chart of Altata Harbor (H.O. chart No. 921, dated 1882), annotated with

corrected soundings by the SS *Altata.* 1 inch to 3 nautical miles. (Filed as 382.64)

838. ALTATA HARBOR, EAST SHORE OF GULF OF CALIFORNIA. 1897. 1 item.
Published chart of Altata Harbor (H.O. chart No. 921, dated 1890), corrected by Captain Von Helms to show shoreline changes. 1 inch to 3 nautical miles. (Filed as 3102.3)

839. ALTATA HARBOR, EAST SHORE OF GULF OF CALIFORNIA. 1899. 1 item.
"Barra Sur de Altata." Tracing of a Mexican chart of South Bar, entrance to Altata Harbor, forwarded by Captain Von Helms and the Branch Hydrographic Office at San Francisco. A new title sheet contains the Hydrographic Office chart number, 1794, and "Approach to Altata Harbor (South Bar) From a Mexican Survey in 1899." 1 inch to 500 meters. (Filed as 2112.48)

840. PENAS ANCHORAGE, BANDERAS BAY (NORTH OF CAPE CORRIENTES). 1874. 1 item.
Manuscript chart showing hydrography, topography, and the village of Penas. Approx. 11 inches to 1 nautical mile. Source: U.S.S. *Narragansett.* (Filed as 283.16, portfolio 2, #43)

841. TABO BAY TO CAPE CORRIENTES TRIANGULATION. 1881. 1 item.
Triangulation diagram connecting the astronomical station at Tabo Bay with Cape Corrientes, showing the difference between the plotted and the computed positions. Scale is not shown. Source: possibly the U.S.S. *Ranger.* (Filed as 181.34)

842. CORRALES HARBOR. 1869. 1 item.
Manuscript chart of Corrales Harbor, an inlet just north of Cape Corrientes, showing hydrography and topography. Approx. 15 inches to 1 nautical mile. Source: U.S.S. *Saginaw.* (Filed as 283.7, #2)

843. SEARCH FOR RICHMOND ROCKS, CAPE CORRIENTES. 1869. 1 item.
Manuscript chart showing the track of the U.S.S. *Saginaw* and coastal topography. 1 inch to approx. 1 1/2 nautical miles. (Filed as 283.7, #1)

844. CLARION ISLAND, REVILLAGIGEDO ISLANDS, OFF THE COAST OF MEXICO. 1874. 1 item.
Manuscript chart of the island showing topography, a lagoon, and soundings at Sulphur Bay. 1 inch to 1 nautical mile. Source: U.S.S. *Narragansett.* (Filed as 283.16, portfolio 2, #60)

845. SULPHUR BAY, CLARION ISLAND, REVILLAGIGEDO ISLANDS, OFF THE COAST OF MEXICO. 1899. 1 item.
Blueprint copy of Mexican sketch chart of Sulphur Bay showing soundings and topographic contours. 1:4,000. Source: Mexican military transport ship *Oaxaca.* (Filed as 3112.47, #2)

846. BRAITHWAITE BAY, SOCORRO ISLAND, REVILLAGIGEDO ISLANDS, OFF THE COAST OF MEXICO. 1899. 1 item.
Blueprint copy of Mexican sketch chart of Braithwaite Bay showing soundings and topographic contours. 1:2,000. Source: Mexican military transport ship *Oaxaca.* (Filed as 3112.47, #1)

Cape Corrientes to Guatemala

847. SOUTHWEST COAST OF MEXICO. 1863. 1 item.
Published British Admiralty chart No. 516 (based on a survey of 1863 and filed among the records of the U.S.S. *Narragansett,* 1873-75) showing coastal hydrography and topography from Cape Corrientes to Mangrove Point (lat. 18° N.). Insets: plans and views of Manzanillo, Navidad, and Chamela (Perula) Bays. 1 inch to approx. 40 nautical miles. (Filed as 283.16, portfolio 2, #57)

848. SOUTHWEST COAST OF MEXICO. 1880. 1 item.
Published British Admiralty chart No. 588 (dated 1865) of the coast from Mazatlan to Cape Maldonado, annotated to show the shoreline and place-name corrections. Insets: plans of Mazatlan Harbor (surveyed 1827), Sihuatanejo Harbor (surveyed

1847), the mouth of Chamatla River (surveyed 1827), and San Blas (date of survey unknown). 1 inch to approx. 50 nautical miles. Source: U.S.S. *Tuscarora.* (Filed as 181.24, #16)

849. CAPE CORRIENTES TO MANZANILLO BAY. 1882. 2 items.
Smooth sheet showing results of survey and rough compilation sheet. Topography and settlements in the coastal region are shown to about 20 miles inland. Insets on smooth sheet: six landscape views of Cape Corrientes, Chamela (Perula) Bay, and Tenacatita Bay from various directions. 1 inch to 2 nautical miles. Source: U.S.S. *Ranger.* (Filed as 181.12, #3 and #4)

850. CHAMELA (PERULA) BAY. 1882. 2 items.
Smooth sheet and rough compilation sheet showing hydrography, coastal topography, and village of Chamela. 5 inches to 1 nautical mile. Source: U.S.S. *Ranger.* (Filed as 181.13, #1 and #2)

851. NAVIDAD BAY. 1883. 1 item.
Tracing of chart from original survey by H.M.S. *Hecate,* 1863, signed by F. A. Simpson of H.M.S. *Devastation,* n.d., and filed among the survey records of the U.S.S. *Ranger,* 1882. Hydrography and limited topography are shown. Approx. 6 inches to 1 nautical mile. (Filed as 181.15, #7)

852. NAVIDAD BAY. 1882. 2 items.
Smooth sheet and rough compilation sheet showing hydrography, coastal topography, and a village. Approx. 5 inches to 1 nautical mile. Source: U.S.S. *Ranger.* (Filed as 181.15, #3 and #4)

853. NAVIDAD AND TENACATITA BAYS. 1882. 3 items.
Smooth sheet, rough compilation sheet, and small supplementary tracing showing areas lacking soundings. The smooth sheet also shows hydrography, coastal topography, and villages. Approx. 2 1/2 inches to 1 nautical mile. Source: U.S.S. *Ranger.* (Filed as 181.12, #5-#7)

854. MANZANILLO BAY. 1863. 1 item.
Small tracing from an original survey by H.M.S. *Hecate,* 1863, apparently copied during the survey of the U.S.S. *Ranger,* ca. 1882, and annotated "Correct generally." Shown are a few soundings and notes on coastal topography. Scale is not shown. (Filed as 181.15, #5)

855. SANTIAGO AND MANZANILLO BAYS. 1882. 2 items.
Smooth sheet and rough compilation sheet showing hydrography, topography, a plan of the town of Manzanillo, and a railroad. 5 inches to 1 nautical mile. Source: U.S.S. *Ranger.* (Filed as 181.15, #1 and #2)

856. MANZANILLO BAY. 1899. 1 item.
"Mapa de la Bahia de Mansanillo Y Las Costas Adyacentes . . . ." Blueprint copy, forwarded in 1905 by the General Auditor, Obras del Puerto de Manzanillo, showing hydrography and topography. Attached is an artist's conception of the future "Completed Harbor of Manzanillo." 1:20,000. (Filed as 281.30)

857. MANZANILLO BAY TO MANGROVE POINT (MOUTH OF SACATULA RIVER). 1882. 2 items.
Large smooth sheet and rough compilation sheet showing hydrography, topography of the coastal region to about 15 miles inland, villages, and a railroad. Insets on smooth sheet: landscape views of Manzanillo Bay and Black Head from the east. 1 inch to 2 nautical miles. Source: U.S.S. *Ranger.* (Filed as 181.12, #1 and #2)

858. MANGROVE POINT (MOUTH OF SACATULA RIVER) TO TEQUEPA (PAPANOA) BAY. 1878-79. 2 items.
Large smooth sheet and rough compilation sheet showing hydrography, coastal topography, interior mountain peaks used as triangulation points, and villages. Coverage includes Petatlan, Istapa, and Sihuatanejo Bays. 1 inch to 2 nautical miles. Source: U.S.S. *Tuscarora.* (Filed as 181.24, #1 and #2)

859. ISTAPA BAY, PETATLAN BAY, AND SIHUATANEJO BAY TRIANGULATION. Ca. 1881. 1 item.
Small tracing of coastal topography designed to show angles from a position offshore to prominent mountain peaks. Scale is not shown. Source: U.S.S. *Ranger.* (Filed as 181.49)

860. ISTAPA (ISLA GRANDE) BAY. 1879. 1 item.
Manuscript chart showing hydrography and topography. Approx. 8 inches to 1 nautical mile. Source: U.S.S. *Tuscarora.* (Filed as 181.24, #10)

861. ISTAPA (ISLA GRANDE) BAY. 1881. 1 item.
Photocopy of chart originally surveyed by the U.S.S. *Tuscarora* in 1879 (see entry 860), with additional notes by the U.S.S. *Ranger,* including change of name to Istapa and naming of local islands. Approx. 4 inches to 1 nautical mile. (Filed as 181.16, #6)

862. SIHUATANEJO HARBOR. 1878. 1 item.
Manuscript chart showing hydrography and topography. Inset: view of entrance to harbor. Approx. 10 inches to 1 nautical mile. Source: U.S.S. *Tuscarora.* (Filed as 181.24, #11)

863. SIHUATANEJO HARBOR. 1880-81. 3 items.
Photocopy and two tracings of chart of the harbor, surveyed originally by the U.S.S. *Tuscarora* in 1878 (see entry 862) and annotated with additional soundings and a verbal description by the U.S.S. *Ranger* in 1880 and 1881. Large scale. (Filed as 181.24, #12; 181.16, #5)

864. SIHUATANEJO HARBOR VIEW. 1881. 1 item.
Drawing (in ink and pencil) of entrance to harbor. Source: U.S.S. *Ranger.* (Filed as 181.16, #5a)

865. PETATLAN HARBOR. 1878. 1 item.
Manuscript chart showing hydrography and topography. 4 inches to 1 nautical mile. Source: U.S.S. *Tuscarora.* (Filed as 181.24, #14)

866. PETATLAN HARBOR. 1881. 2 items.
Photocopy and tracing of chart originally surveyed by the U.S.S. *Tuscarora* in 1878 (see entry 865), with additions by the U.S.S. *Ranger,* including notes relating to the naming of the Potoci or White Friar Islands offshore. Scales vary. (Filed as 181.16, #4; 181.24, #15)

867. TEQUEPA (PAPANOA) HARBOR. 1878. 1 item.
Manuscript chart showing hydrography and topography. Approx. 8 inches to 1 nautical mile. Source: U.S.S. *Tuscarora.* (Filed as 181.24, #13)

868. TEQUEPA (PAPANOA) HARBOR. 1881. 1 item.
Photocopy of chart originally surveyed by the U.S.S. *Tuscarora* in 1878 (see entry 867), with additional annotations by the U.S.S. *Ranger* in 1881. Scale is not shown. (Filed as 181.16, #2)

869. TEQUEPA TO ACAPULCO. 1878-79. 2 items.
Smooth sheet and rough compilation sheet showing hydrography, coastal topography, villages, and mountain peaks in the interior used as traingulation points. 1 inch to 2 nautical miles. Source: U.S.S. *Tuscarora.* (Filed as 181.24, #3 and #4)

870. ACAPULCO HARBOR. 1878. 2 items.
Smooth sheet and rough compilation sheet showing hydrography, topography, the town of Acapulco, and Fort San Diego. Insets: three views of shoreline. 4 inches to 1 nautical mile. Source: U.S.S. *Tuscarora.* (Filed as 181.24, #7 and #8)

871. ACAPULCO HARBOR. 1880. 1 item.
Supplementary tracing, apparently prepared in the Hydrographic Office, showing soundings to be added to the U.S.S. *Tuscarora* survey chart of Acapulco Harbor (see entry 870). 4 inches to 1 nautical mile. (Filed as 181.24, #9a)

872. ACAPULCO HARBOR. 1892. 1 item.
Published chart (H.O. chart No. 872, dated 1890), annotated with corrections and submitted with a hydrographic report, showing

hydrography, coastal topography, the town of Acapulco, Fort San Diego, and a proposed marine railway. Insets: two views of shoreline. 3 inches to 1 nautical mile. Source: U.S.S. *Yorktown.* (Filed as 182.40)

873. ACAPULCO TO TARTAR SHOAL (CAPE MALDONADO). 1878-79. 4 items.
Smooth sheet and rough compilation sheet showing hydrography, coastal topography, and villages and two small tracings showing additional soundings in the Acapulco Harbor vicinity. Scale of smooth sheet, 1 inch to 2 nautical miles. Source: U.S.S. *Tuscarora.* (Filed as 181.24, #5 and #6)

874. ACAPULCO TO TARTAR SHOAL (CAPE MALDONADO). Ca. 1880. 1 item.
Tracing (apparently prepared in the Hydrographic Office) of the shoreline from Acapulco to Acamama Point from original survey chart by the U.S.S. *Tuscarora* (see entry 873). Shown are "additional soundings." 1 inch to 2 nautical miles. (Filed as 181.24, #9b)

875. TARTAR SHOAL (CAPE MALDONADO). 1878. 2 items.
Smooth sheet and rough compilation sheet showing hydrography and coastal topography. Approx. 1 1/2 inches to 1 nautical mile. Source: U.S.S. *Tuscarora.* (Filed as 181.26, #1 and #2)

876. CAPE MALDONADO TO PORT ANGELES, INCLUDING CHACAHUA BAY AND ESCONDIDO BAY. 1879. 3 items.
Large smooth sheet (in two sections), rough compilation sheet, and small tracing with additional soundings showing hydrography, coastal topography, villages, and interior mountain peaks used as triangulation points. Insets: five landscape views of parts of the coast. 1 inch to 2 nautical miles. Source: U.S.S. *Tuscarora.* (Filed as 181.28, #1 and #2)

877. CHACAHUA BAY AND LAGOON. 1879. 2 items.
Smooth sheet and rough compilation sheet showing hydrography and coastal topography. Approx. 5 inches to 1 nautical mile. Source U.S.S. *Tuscarora.* (Filed as 181.28, #3 and #4)

878. ESCONDIDO BAY. 1879. 2 items.
Smooth sheet and rough compilation sheet showing hydrography and topography. Approx. 10 inches to 1 nautical mile. Source: U.S.S. *Tuscarora.* (Filed as 181.28, #5 and #6)

879. ESCONDIDO BAY. 1881. 1 item.
Photocopy of chart originally surveyed by the U.S.S. *Tuscarora* in 1879 (see entry 878), with additional notes by the U.S.S. *Ranger.* Approx. 4 inches to 1 nautical mile. (Filed as 181.16, #8)

880. PORT ANGELES. 1879. 2 items.
Smooth sheet and rough compilation sheet showing hydrography and coastal topography. Approx. 20 inches to 1 nautical mile. Source: U.S.S. *Tuscarora.* (Filed as 181.28, #7 and #8)

881. PORT ANGELES. 1881. 1 item.
Photocopy of chart originally surveyed by the U.S.S. *Tuscarora* in 1879 (see entry 880), with additional soundings and notes by the U.S.S. *Ranger.* Approx. 7 inches to 1 nautical mile. (Filed as 181.16, #9)

882. PORT ANGELES TO VENTOSA BAY, INCLUDING SACRIFICIOS, TANGOLATANGOLA, SANTA CRUZ, MORRO AYUCA, AND CHIPEQUA. 1879. 2 items.
Smooth sheet and rough compilation sheet showing hydrography, topography of the coastal region to about 20 miles inland, and the town of Tehuantepec. 1 inch to 2 nautical miles. Source: U.S.S. *Tuscarora.* (Filed as 181.28, #9 and #10)

883. PORT SACRIFICIOS. 1879. 2 items.
Smooth sheet and rough compilation sheet showing hydrography and topography. Approx. 10 inches to 1 nautical mile. Source: U.S.S. *Tuscarora.* (Filed as 181.28, #11 and #12)

884. PORT SACRIFICIOS. 1881. 1 item.
Photocopy of chart originally surveyed by the U.S.S. *Tuscarora* in 1879 (see entry

883), with additional notes by the U.S.S. *Ranger.* Approx. 7 inches to 1 nautical mile. (Filed as 181.16, #7)

885. PORT SACRIFICIOS. 1883. 1 item.
Tracing showing additional soundings from Port Sacrificios to Soconosco Bluffs. Scale is not shown. Source: U.S.S. *Ranger.* (Filed as 181.5, #3)

886. SANTA CRUZ HARBOR (PORT OF GUATULCO) AND TANGOLATANGOLA BAY. 1879. 2 items.
Smooth sheet and rough compilation sheet showing hydrography and coastal topography. Approx. 10 inches to 1 nautical mile. Source: U.S.S. *Tuscarora.* (Filed as 181.28, #13 and #14)

887. SANTA CRUZ HARBOR (PORT OF GUATULCO) AND TANGOLATANGOLA BAY. 1881. 1 item.
Photocopy of chart originally surveyed by the U.S.S. *Tuscarora* in 1879 (see entry 886), with additional notes by the U.S.S. *Ranger.* Approx. 7 inches to 1 nautical mile (Filed as 181.16, #10)

888. MORRO AYUCA. 1879. 2 items.
Smooth sheet and rough compilation sheet showing hydrography and coastal topography. 5 inches to 1 nautical mile. Source: U.S.S. *Tuscarora.* (Filed as 181.28, #15 and #16)

889. MORRO AYUCA. 1881. 1 item.
Photocopy of chart originally surveyed by the U.S.S. *Tuscarora* in 1879 (see entry 888), with additional notes by the U.S.S. *Ranger.* Approx. 2 1/2 inches to 1 nautical mile. (Filed as 181.16, #1)

890. CHIPEQUA POINT TO VENTOSA BAY, INCLUDING CONEJO, SALINA MARQUEZ, AND SALINA CRUZ BAYS. 1879. 2 items.
Smooth sheet and rough compilation sheet showing hydrography, coastal topography, the town of Salina Cruz, and cultivated fields. 2 inches to 1 nautical mile. Source: U.S.S. *Tuscarora.* (Filed as 181.28, #17 and #18)

891. CHIPEQUA POINT TO VENTOSA BAY. 1881. 1 item.
Photocopy of chart originally surveyed by the U.S.S. *Tuscarora* in 1879 (see entry 890), with additional soundings by the U.S.S. *Ranger.* 1 inch to approx. 1 1/4 nautical miles. (Filed as 181.16, #3)

892. HARBOR WORKS AT SALINA CRUZ. 1902. 1 item.
"Obras del Puerto de Salina Cruz." Printed plan of harbor works submitted by the Branch Hydrographic Office at New Orleans, 1905. 1:6,000. (Filed as 552.15, #2)

For related charts see entries 682 and 699.

893. CABLES OFF SALINA CRUZ. 1903. 1 item.
Tracing, submitted by the Central and South American Telegraph Co., showing submarine telegraph cables at Salina Cruz harbor, offshore soundings between Chipequa Point and Ventosa Bay, topographic landmarks, and a road toward Tehuantepec. Approx. 1 1/2 inches to 1 nautical mile. (Filed as 382.42)

894. SHORELINE FROM VENTOSA BAY TO GUATEMALA BOUNDARY (OCOS RIVER). 1882-83. 8 items.
Large-scale shoreline sheets showing the ship's track along the coast, soundings, and shoreline characteristics. 2 inches to 1 nautical mile. Source: U.S.S. *Ranger.* (Filed as 181.9, #1 and #2)

895. VENTOSA BAY TO SOCONOSCO BLUFFS. 1882. 2 items.
Smooth sheet and rough compilation sheet showing hydrography, topography of the coastal region to about 30 miles inland, roads, settlements, and the proposed partial route of the Tehuantepec Ship Canal. Inset on smooth sheet: view of Tonala Bar. 1 inch to 2 nautical miles. Source: U.S.S. *Ranger.* (Filed as 181.9, #3 and #4)

896. SOCONOSCO BLUFFS TO GUATEMALA BOUNDARY (OCOS RIVER). 1883. 3 items.
Smooth sheet, rough compilation sheet, and supplementary tracing with additional soundings. The smooth sheet shows

hydrography, topography of the coastal region to about 25 miles inland, dwellings, villages, and the old and new boundaries between Mexico and Guatemala. 1 inch to 2 nautical miles. Source: U.S.S. *Ranger.* (Filed as 181.6; 181.7; 181.8, #1)

897. GULF OF TEHUANTEPEC. 1883. 1 item.
Tracing showing soundings to develop the 100-fathom curve. Scale is not shown. Source: U.S.S. *Ranger.* (Filed as 181.1, sheet I)

898. GULF OF TEHUANTEPEC. 1883. 1 item.
Track chart showing "soundings taken to ascertain the position of a reported shoal in Lat. 15° 10′ N. Long. 94°00′ W." Scale is not shown. Source: U.S.S. *Ranger.* (Filed as 181.1, sheet II)

GUATEMALA, EAST COAST

899. GULF AND BAY OF HONDURAS, EAST COAST OF GUATEMALA AND ADJACENT PART OF HONDURAS. Ca. 1891. 1 item.
Published chart of the Gulf and Bay of Honduras (H.O. chart No. 397, dated 1873), annotated with corrections and forwarded by the Branch Hydrographic Office at New Orleans. Hydrography and coastal topography, including freshwater locations, are shown. Insets: five profile views. 1 inch to 2 nautical miles. (Filed as 161.46)

900. HONDURAS BAY, EAST COAST OF GUATEMALA. 1896. 22 items.
Preliminary worksheets from a hydrographic survey—boat sheets, tracings, and projection sheet. Most of the information relates to water depths, but limited topographic features at the shoreline are shown on boat sheet #12 (Carib villages at St. Thomas Bight and Puerto Barrios) and boat sheet #17 (Governor's house and native huts at Port Livingston). Scales vary. Source: U.S.S. *Dolphin.* (Filed as 492.12)

GUATEMALA, WEST COAST

901. MEXICAN BOUNDARY (OCOS RIVER) TO ACAJUTLA, EL SALVADOR. 1880. 2 items.
Smooth sheet and rough compilation sheet covering the coast of Guatemala and part of El Salvador and showing hydrography, topography of the coastal region to about 25 miles inland, churches and villages, and the Guatemala Railroad from San Jose to Guatemala City. Insets: landscape views of shoreline. 1 inch to 2 nautical miles. Source: U.S.S. *Tuscarora.* (Filed as 181.29, #4 and #5)

902. MEXICAN BOUNDARY (OCOS RIVER) TO ACAJUTLA, EL SALVADOR. 1883. 2 items.
Two tracings showing "additional soundings" to develop the 50-fathom curve. Scales are not shown. Source: U.S.S. *Ranger.* (Filed as 181.1, sheet III; 181.5, #1)

903. CHAMPERICO ROADSTEAD. 1879. 2 items.
Smooth sheet and rough compilation sheet showing hydrography, a village, a wharf, customs offices, and gun sheds. 5 inches to 1 nautical mile. Source: U.S.S. *Tuscarora.* (Filed as 181.29, #6 and #7)

904. SAN JOSE ROADSTEAD. 1879. 2 items.
Smooth sheet and rough compilation sheet showing hydrography, a village, customhouses, gun sheds, and lagoons. 5 inches to 1 nautical mile. Source: U.S.S. *Tuscarora.* (Filed as 181.29, #8 and #9)

HONDURAS, EAST COAST

905. PUERTO CORTES. 1896. 1 item.
"Topographical Survey by Civil Engineer of Honduras Rail Road." Tracing of original map showing hotels, a customhouse, a railroad station, Clark Co., Maclauclan & Co., and other buildings at Puerto Cortes and adjacent communities of La Curva and La Laguna. 1 inch to 300 feet. Source: U.S.S. *Dolphin.* (Filed as 492.34, #1)

906. PUERTO CORTES BAY. 1896. 7 items.
Preliminary worksheets from hydrographic survey—boat sheets, ship sheet, and tracing showing soundings. Boat sheet #5 shows a few topographic features at the shoreline, including buildings, a railroad, a cemetery, and native huts at Puerto Cortes and La Laguna. Scales vary. Source: U.S.S. *Dolphin.* (Filed as 492.34, #2 and #4-#8)

HONDURAS AND EL SALVADOR, WEST COAST

907. ACAJUTLA, EL SALVADOR. Ca. 1879. 1 item.

Rough plotting sheet, annotated on the reverse side with the preliminary Hydrographic Office chart number 354p, showing the coast in the vicinity of Acajutla, triangulation data, soundings, and boat shed. Scale is not shown. Source: U.S.S. *Tuscarora.* (Filed as 181.29, #10)

908. SEARCH FOR ROCK STRUCK BY SS "NICARAGUA" AT ACAJUTLA. Ca. 1892. 1 item.

Tracing, apparently copied from original British chart, showing soundings, a pier at Acajutla, and adjacent shorelines. Approx. 1:18,000. Source: H.M.S. *Champion.* (Filed as 552.52)

909. ACAJUTLA TO GULF OF FONSECA. 1880. 2 items (each in 2 sections).

Smooth sheet and rough compilation sheet covering most of the El Salvador coast and showing hydrography and topography of the coastal region, including towns, villages, churches, and lagoons. Insets: views of various points of the shoreline. 1 inch to 2 nautical miles. Source: U.S.S. *Tuscarora.* (Filed as 181.29, #2 and #3)

910. ACAJUTLA TO GULF OF FONSECA. Ca. 1880. 1 item.

Published British Admiralty chart No. 2148, dated 1864 and annotated to show shoreline corrections, covering the coast from Sonsonate Roadstead (later called Acajutla) to the Gulf of Fonseca and showing hydrographic features only. 1 inch to approx. 5 nautical miles. Source: U.S.S. *Tuscarora.* (Filed as 181.29, #1)

911. ACAJUTLA TO GULF OF FONSECA. 1883. 2 items.

Two tracings showing soundings to develop the 50-fathom curve. Scales are not shown. Source: U.S.S. *Ranger.* (Filed as 181.1, sheet IV; 181.5, #2)

912. LA LIBERTAD HARBOR, EL SALVADOR. 1883. 2 items.

Smooth sheet and rough compilation sheet showing hydrography, coastal topography, buildings, cultivated areas, a plaza, the customhouse, a telegraph office, and roads. 5 inches to 1 nautical mile. Source: U.S.S. *Ranger.* (Filed as 181.8, #2 and #3)

913. JIQUILISCO BAY, EL SALVADOR. 1897. 9 items.

Preliminary worksheets from survey—boat sheet, shoreline sheets, and projection sheet. Scales vary. Sources: U.S. ships *Bennington* and *Marion.* (Filed as 2103.23, #40 and #42-#49)

914. JIQUILISCO BAY, EL SALVADOR. 1897. 1 item.

Smooth sheet (marked as a preliminary version of Hydrographic Office chart No. 1677) showing the results of a hydrographic survey: soundings, a few topographic features, and the port of El Triunfo. 2 inches to 1 nautical mile. Sources: U.S. ships *Bennington* and *Marion.* (Filed as 2103.23, #50)

915. LA UNION AND APPROACHES, EL SALVADOR (GULF OF FONSECA). 1907. 1 item.

"La Union, Salvador. Result of Reconnaissance by Lieut. Comdr. E. H. Campbell . . . U.S.S. *Milwaukee* . . . August 1907." Tracing showing soundings between La Union and Sacate Island, a railroad station and a wharf, and trails near the coast. 1 inch to approx. 400 yards. (Filed as 493.29)

916. GULF OF FONSECA. 1883. 1 item.

Tracing showing "angles and soundings taken for verification," place-names, mudflats, and the towns of La Union (El Salvador) and Amapala (Tigre Island, Honduras). Approx. 1 1/4 inches to 1 nautical mile. Source: U.S.S. *Ranger.* (Filed as 181.1, sheet V)

917. EASTERN PART OF GULF OF FONSECA. 1884. 1 item.

Manuscript chart showing hydrography; topography; the Estero Real River in Nicaragua; villages and towns, including San

Lorenzo (Honduras) and Corinto (Nicaragua); watering places; ranches; cultivated lands; and a road from Corinto to Leon (Nicaragua). Approx. 1 inch to 2 nautical miles. Source: U.S.S. *Ranger.* (Filed as 182.6, #3a)

918. SAN LORENZO BAY, HONDURAS (GULF OF FONSECA). 1884. 3 items.
Smooth sheet, showing soundings, mudflats and mangrove areas near the shoreline, a village, and huts, and rough compilation sheet (each in two sections), as well as supplementary sheet showing soundings in the main channel only. 3 inches to 1 nautical mile. Source: U.S.S. *Ranger.* (Filed as 182.6, #5-#6b)

919. GULF OF FONSECA TIDAL OBSERVATIONS. 1884. 5 items.
Graphs showing tides for several time periods at various locations. Source: U.S.S. *Ranger.* (Filed as 182.6, #7-#9b)

920. GULF OF FONSECA. 1893. 1 item.
Tracing showing soundings taken from the vicinity of La Union to Amapala Point and across the mouth of the Gulf. 1 inch to 1 nautical mile. Source: U.S.S. *Alliance.* (Filed as 481.22)

921. GULF OF FONSECA. 1900. 1 item.
Published chart of the Gulf of Fonseca (H.O. chart No. 973, dated 1899), including parts of El Salvador, Honduras, and Nicaragua, annotated with corrections. The base chart covers the entire Gulf and surrounding land areas and shows the Estero Real River in Nicaragua, settlements, and proposed railroads. 1 inch to 2 nautical miles. Source: SS *Acapulco.* (Filed as 5113.13, #1)

NICARAGUA, EAST COAST

922. EAST COAST OF NICARAGUA: MOSQUITO INDIAN RESERVATION. 1892. 1 item.
"Map of the Mosquito Reservation . . . Shewing [sic] the Position on certain Rivers of the Meridian of 84°15′ Longitude . . . as defined by the Commissioners appointed by His Excellency Robert Henry Clarence, Chief of the Mosquito Indians and the Government for the Mosquito Reservation (Drawn by Frederick N. Wales, Civil Engineer Boston, Mass. Feby. 1892)." The reservation was surveyed and mapped by Arthur Newton, surveyor to the Mosquito Government. This tracing (1899) covers almost the entire east coast of Nicaragua, from Wawa River in the north to Punta Gorda River in the south, and shows towns, villages, lagoons, rivers, reservation boundaries, a gold-mining district, a mahogany works, and a sawmill. 1 inch to 2 nautical miles. Source: U.S.S. *Vixen.* (Filed as 4112.8, #48)

923. CITY OF BLUEFIELDS. 1887. 1 item.
Tracing (1899) of an original 1887 plan of the city, surveyed by A. Newstead, civil engineer, showing names of streets. 1 inch to approx. 120 feet. Source: U.S.S. *Vixen.* (Filed as 4112.8, #47)

924. BLUEFIELD LAGOON AND ENTRANCE. 1899. 2 items.
Rough plotting sheets showing hydrographic features and a few buildings at the entrance to the lagoon. 1:12,000. Source: U.S.S. *Vixen.* (Filed as 4112.8, #45 and #46)

925. HARBOR AT MONKEY POINT. 1906. 2 items.
Tracing and duplicate blueprint copy with annotation, "from survey made under direction of Lewis M. Haupt, C. E., for J. Wiest & Co., Managua, Nic. C. A. H. D. Mendenhall, C. E. 1906." All of Monkey Point and adjacent coasts are covered, and soundings, currents, prevailing winds, settlements, and railroads are shown. 1:9,600. (Filed as 2123.17, #1 and #2)

926. HISTORICAL CHANGES IN SANDBAR AT SAN JUAN DEL NORTE (GREYTOWN), 1832-59. N.d. 1 item.
Tracing of a chart of Greytown from a French survey in 1832, corrected to 1849, showing the growth of the bar at the entrance to the harbor from 1832 to 1859.

Approx. 3 inches to 1 nautical mile. Source and date acquired by the Hydrographic Office archives are not shown. (Filed as 243.46, #2)

927. SAN JUAN DEL NORTE HARBOR (GREYTOWN). 1895. 2 items.
Rough plotting sheet and tracing showing soundings, "Mr. Menocal's office," the "Division Engineer's office," "Gov. Sagasa's House," and other features. Large scale. Source: U.S.S. *Montgomery.* (Filed as 391.28)

928. MOUTH OF SAN JUAN RIVER. 1809. 1 item.
"Puerto y Boca Del Rio de S. Juan de Nicaragua." Undated tracing of an 1809 Spanish chart. 4 inches to 1 nautical mile. (Filed as 243.46, #1)

NICARAGUA, WEST COAST

929. WEST COAST OF NICARAGUA AND PART OF HONDURAS (SAN LORENZO BAY, HONDURAS, TO SAN JUAN DEL SUR, NICARAGUA). 1884. 4 items.
Smooth sheets I and II and corresponding rough compilation sheets covering part of the coast of Honduras and most of the coast of Nicaragua and showing hydrography, topography of the coastal region extending 6 to 18 miles inland, villages, huts, watering places, ranches, and a road from Corinto to Leon. 1 inch to 2 nautical miles. Source: U.S.S. *Ranger.* (Filed as 182.6, #3a and #3b)

930. NORTHWESTERN NICARAGUA. 1884. 1 item.
"Tracing showing [overland] route taken by Lieut. J. M. Helm and Ensign W. R. Rush . . . also position of rock discovered 17 3/4 miles E. of Corinto lighthouse." Also shown are topography, villages, huts, ranches, cultivated areas along the Estero Real River and along the road from Corinto to Leon, and soundings in the Gulf of Fonseca. 1 inch to 2 nautical miles. Source: U.S.S. *Ranger.* (Filed as 182.1, #6)

931. ESTERO REAL RIVER, NORTHWEST NICARAGUA. 1884. 8 items.
Large-scale, rough plotting sheets from survey. Source: U.S.S. *Ranger.* (Filed as 182.6, #2a-#2g)

932. ESTERO REAL RIVER, NORTHWEST NICARAGUA. 1884. 1 item (3 sections).
Large smooth sheet covering the river and its tributaries from the mouth at the Gulf of Fonseca to the village of El Fuente and showing soundings, mudflats, marshes, cattle ranches, villages, dye-wood stations, and a customhouse. 5 inches to 1 nautical mile. Length of three sections combined, 14 feet. Source: U.S.S. *Ranger.* (Filed as 182.6, #1)

933. CORINTO HARBOR. 1862 and 1884. 1 item.
"Plan of Realejo Harbor, Corinto, By E. C. Ball, Master, R.N." Tracing of original 1862 plan (filed with survey records of the U.S.S. *Ranger,* 1884), with soundings added in pencil, showing hydrography, some topography, and huts along the shore. Approx. 6 inches to 1 nautical mile. (Filed as 182.1, #7)

934. CORINTO HARBOR. 1884. 4 items.
Boat sheets showing part of the harbor and small creeks in the vicinity, angle measurements, and daymarks and a graphic record of tides. Large scale. Source: U.S.S. *Ranger.* (Filed as 182.1, #2-#5)

935. CORINTO HARBOR. 1884. 2 items.
Smooth sheet and rough compilation sheet showing hydrography, topography, prominent buildings, the American consulate, a customhouse, and cultivated fields. Approx. 8 inches to 1 nautical mile. Source: U.S.S. *Ranger.* (Filed as 182.1, #1 and #1a)

936. CORINTO HARBOR. 1905. 1 item.
Published chart of Corinto Harbor (H.O. chart No. 937, dated 1905), annotated with additional soundings, showing hydrography, topography, and prominent buildings. 4 inches to 1 nautical mile. Source: U.S.S. *Marblehead.* (Filed as 371.1, #1)

937. CORINTO HARBOR. 1905. 1 item.
Tracing of smooth sheet from survey showing hydrography only. Approx. 6 inches to 1 nautical mile. Source: U.S.S. *Marblehead.* (Filed as 371.1, #2)

938. CORINTO HARBOR TIDE RECORD. 1905. 1 item.
Manuscript tide graph. Source: U.S.S. *Marblehead.* (Filed as 371.1, #3)

939. SEARCH FOR INDUSTRIE ROCK OFF CAPE DESOLADO, WEST COAST OF NICARAGUA. 1884. 1 item.
Chart showing soundings. Approx. 2 1/2 inches to 1 nautical mile. Source: U.S.S. *Ranger.* (Filed as 182.13)

939a. SAN JUAN DEL SUR HARBOR. 1883. 1 item.
Manuscript survey chart, apparently used as the basis for published H.O. chart No. 934, showing soundings, coastal topography, dwellings, and cultivated fields. 10 inches to 1 nautical mile. Source: U.S.S. *Ranger.* (Filed as 181.1)

940. SAN JUAN DEL SUR HARBOR. 1898-99. 2 items.
Two published editions of chart of San Juan del Sur Harbor (H.O. chart No. 934), dated 1895 and 1897, one annotated in 1898 by the U.S.S. *Alert* and the other annotated in 1899 by the Central and South American Telegraph Co. of New York to show location of submarine cables leading away from the harbor. The base charts show hydrographic and topographic features. Approx. 6 inches to 1 nautical mile. (Filed as 1102.23 and 2112.13)

NICARAGUA, CANAL SURVEYS

941. BRITO HARBOR, WEST COAST OF NICARAGUA. Ca. 1888. 1 item.
Blueprint copy, apparently forwarded by A. G. Menocal, civil engineer, Nicaragua Canal Construction Co., showing soundings by Ensign Maxwell and part of the canal with borings. 1 inch to 400 feet. (Filed as 262.41)

942. NICARAGUA SHIP CANAL PROFILE. 1885. 1 item.
Profile of proposed interoceanic canal from the Nicaragua Canal Survey of 1885. Horizontal scale, 1:20,000. (Filed as 243.47, #20)

943. OCHOMONGO RIVER, NORTHERN BOUNDARY OF DEPARTMENT OF RIVAS, SOUTHWEST NICARAGUA. 1872. 1 item.
"Preliminary survey of the Ochomongo River as far as completed, June, 1872." Manuscript map by J. Foster Crowell, forwarded by E. H. C. Leutze, lieutenant in command of party, showing the river at junction with Lake Nicaragua, roads, settlements, and an "indigo factory." 1 inch to 2,000 feet. Source: survey under direction of Commanders Edward P. Lull and C. Hatfield. (Filed as 243.47, #22)

944. OCHOMONGO RIVER TOPOGRAPHIC PROFILE. 1872. 1 item (3 sections).
Profile submitted by J. Foster Crowell, civil engineer, and Lt. E. H. C. Leutze, commander of the survey party. Horizontal scale, 1 inch to approx. 1,000 feet. Source: survey under direction of Commanders Edward P. Lull and C. Hatfield. (Filed as 243.47, #27 and #28)

945. PANALOYA OR TIPITAPA RIVER, BETWEEN LAKE MANAGUA AND LAKE NICARAGUA. Ca. 1872. 1 item.
Manuscript chart and profile on tracing cloth. 3 inches to 1 mile. Source: survey under the direction of Commanders Edward P. Lull and C. Hatfield. (Filed as 243.47, #6)

946. RIO DEL MEDIO, BRITO TO LAKE NICARAGUA. Ca. 1872. 1 item.
Rough chart of the river showing triangulation stations, notes on vegetation, plantations, roads, and other features immediately adjacent to the river. The canal route is also shown along the river course. Approx. 3 inches to 1 mile. Source: survey under the direction of Commanders Edward P. Lull and C. Hatfield. (Filed as 243.47, #16)

947. RIO DEL MEDIO TOPOGRAPHIC PROFILE. Ca. 1872. 1 item.

Profile covering the area from Brito to Lake Nicaragua. Scale is not shown. Source: survey under the direction of Commanders Edward P. Lull and C. Hatfield. (Filed as 243.47, #23)

948. RIO GRANDE TO RIO JUAN DIVILA CHANNEL. Ca. 1872. 1 item.

Manuscript chart of the proposed artificial water channel between Rio Grande and Rio Juan Davila on the Brito-to-Lake Nicaragua route, showing the town of El Carmen and limited topographic features. 1 inch to 600 feet. Source: survey under the direction of Commanders Edward P. Lull and C. Hatfield. (Filed as 243.47, #18)

949. RIO SAN CARLOS TO GREYTOWN (SAN JUAN DEL NORTE). 1885. 1 item.

Incomplete chart of the Eastern Division from the Nicaragua Canal Survey of 1885 by A. G. Menocal, showing the proposed canal and locks in southeast Nicaragua. 1:20,000. (Filed as 243.47, #19)

950. RIVAS DEPARTMENT, SOUTHWEST NICARAGUA. 1872. 1 item.

"Map from surveys made in the Department of Rivas," showing settlements, topography, roads, and proposed canal and locks. 2 inches to 1 mile. Source: survey under the direction of Commanders Edward P. Lull and C. Hatfield. (Filed as 243.47, #14)

951. RIVAS DEPARTMENT, SOUTHWEST NICARAGUA. Ca. 1880. 1 item.

"From Brito to the mouth of Rio Lajas, also showing Rio del Medio Line and Channel for tapping the Rio Grande. Compiled from survey 1872-73 and additional survey of 1880." Manuscript map by A. G. Menocal, showing settlements, topography, proposed canal routes, and locks. 1:20,000. (Filed as 243.47, #12)

952. RIVAS DEPARTMENT PROFILE. 1872. 1 item.

Topographic profile covering a route survey between the Pacific Ocean and Lake Nicaragua. Horizontal scale, 1:30,000. Source: survey under the direction of Commanders Edward P. Lull and C. Hatfield. (Filed as 243.47, #5)

953. SALINAS BAY TIDAL RECORD. 1872. 1 item.

Profile of tides observed at Salinas Bay, Costa Rica, submitted by John Keeler, USN, and filed with the records of the U.S. Nicaragua Canal Survey under the direction of Commanders Edward P. Lull and C. Hatfield. (Filed as 243.47, #35)

954. SAN JUAN DEL NORTE HARBOR, EAST COAST OF NICARAGUA. Ca. 1888. 2 items.

Blueprint copies, apparently forwarded by A. G. Menocal, civil engineer, Nicaragua Canal Construction Co., showing harbor soundings by Ensign Maxwell. Scales vary. (Filed as 262.40)

955. SAN JUAN DEL SUR BAY, SOUTHWEST COAST OF NICARAGUA. Ca. 1872. 1 item.

Manuscript chart of the San Juan del Sur Bay and the "line to San Juan del Sur," extending inland as far as Jacote Creek. In the vicinity of the bay are shown a hotel, wagon shed, and coal landing. 1 inch to 400 feet. Source: survey under the direction of Commanders Edward P. Lull and C. Hatfield. (Filed as 243.47, #17)

956. SAN JUAN RIVER. 1872-73. 1 item (3 sections).

Large rough chart of the river, showing hydrography, adjacent topography, camps, and observation points. 1:20,000. Source: survey under the direction of Commanders Edward P. Lull and C. Hatfield. (Filed as 243.47, #1-#3)

957. SAN JUAN RIVER DAMS, LOCKS, AND PROFILE. 1873. 3 items.

Plans of dams 1-3, plan of a lock, and rough profile sheet—"San Juan and Lake." Scales vary. Source: survey under the direction of Commanders Edward P. Lull and C. Hatfield. (Filed as 243.47, #30-#34)

958. SAN JUAN RIVER PROFILE. Ca. 1872. 1 item.

Profile of the 37-mile upper part of the river from Castillo to Lake Nicaragua,

containing separate pencil drawings of proposed locks. Horizontal scale, 1:20,000. (Filed as 243.47, #24)

959. SAN JUANILLO RIVER, EASTERN NICARAGUA. Ca. 1872. 1 item.
Manuscript map showing the waterfront at Greytown and triangulation stations. 1:5,000. Source: survey under the direction of Commanders Edward P. Lull and C. Hatfield. (Filed as 243.47, #25)

960. SAN JUANILLO RIVER, EASTERN NICARAGUA. 1876. 1 item.
Rough survey chart by A. G. Menocal, stamped "The Maritime Canal Co. of Nicaragua," showing the river and adjacent topography. Scale is not shown. (Filed as 243.47, #10)

961. SAPOA RIVER AREA, NORTHWEST COSTA RICA AND SOUTHWEST NICARAGUA. 1872. 1 item.
Manuscript map, annotated "6," from surveys by party No. 1, showing topography and settlements in the area between Salinas Bay and Lake Nicaragua. 2 inches to 1 mile. Source: survey under the direction of Commanders Edward P. Lull and C. Hatfield. (Filed as 243.47, #13)

962. SAPOA RIVER AREA, NORTHWEST COSTA RICA AND SOUTHWEST NICARAGUA. 1872. 1 item.
Manuscript map, annotated "2," from surveys by party No. 1, under J. Foster Crowell, civil engineer, showing placenames, roads, and other topographic features in the area between Salinas Bay and Lake Nicaragua. 1 inch to 4,000 feet. Source: survey under the direction of Commanders Edward P. Lull and C. Hatfield. (Filed as 243.47, #21)

963. SAPOA RIVER AREA AND UPPER SAN JUAN RIVER. 1872. 1 item.
Rough chart of the Sapoa River area from Salinas Bay to Lake Nicaragua, showing rivers, trails, and a few settlements. Superimposed over this chart is a triangulation chart for the upper part of the San Juan River, Nicaragua. Scales are not shown. Source: survey under the direction of Commanders Edward P. Lull and C. Hatfield. (Filed as 243.47, #11)

964. SAPOA RIVER TOPOGRAPHIC PROFILE. 1872. 1 item.
Manuscript profile. Scale is not shown. Source: survey under the direction of Commanders Edward P. Lull and C. Hatfield. (Filed as 243.47, #26)

965. SOUTHWESTERN NICARAGUA AND PART OF COSTA RICA. Ca. 1872. 1 item.
Manuscript map covering area from Lake Managua and the Department of Chontales southward to and including the Sapoa River of Northwest Costa Rica and showing towns, a road, topography, proposed canal routes in the Rivas-Sapoa areas, and soundings in Lake Nicaragua. 1 inch to approx. 4 miles. Source: survey under the direction of Commanders Edward P. Lull and C. Hatfield. (Filed as 243.47, #15)

966. UNIDENTIFIED AND MISCELLANEOUS PROFILES. Ca. 1872. 4 items.
Cross section of the San Juan and Colorado Rivers at Colorado Fork, and three unidentified profiles. Scales are not shown. Source: survey under the direction of Commanders Edward P. Lull and C. Hatfield. (Filed as 243.47, #7-#9 and #36)

967. UNIDENTIFIED GUN BATTERIES. Ca. 1885. 2 items.
Rough plans of gun batteries. Original shelf list of Hydrographic Office identifies the plans as "charts enclosed with data returned by Nicaragua Canal Commission (no title)." (Filed as 243.47, sheets X and Y)

COSTA RICA, EAST COAST

968. LIMON BAY. 1872. 3 items.
Manuscript chart of Limon Bay and small supplementary tracings showing hydrography, coastal topography, a plan of the town of Limon, and part of the Costa Rica Railroad. Scale of chart, approx. 20 inches to 1 nautical mile. (Filed as 243.51, #7)

COSTA RICA, WEST COAST

969. WEST COAST OF COSTA RICA AND PART OF NICARAGUA. 1885. 4 items.
Smooth sheets 1 and 2 and corresponding rough plotting sheets covering the coast from San Juan del Sur to Burica Point (Panama boundary) and showing hydrography, topography, and settlements along the coast. 1 inch to 2 nautical miles. Source: U.S.S. *Ranger.* (Filed as 382.1, #1-#2a and #22)

970. SALINAS BAY. 1885. 2 items.
Smooth sheet and rough plotting sheet showing hydrography and topography. 3 inches to 1 nautical mile. Source: U.S.S. *Ranger.* (Filed as 382.1, #7 and #7a)

971. SALINAS BAY AND SANTA ELENA BAY TRIANGULATION. 1886. 1 item.
Rough triangulation sheet replotted in Hydrographic Office from original survey records. Scale is not shown. Source: U.S.S. *Ranger.* (Filed as 382.1, #21)

972. PORT ELENA (PORT PARKER), SOUTHERN SHORE OF SANTA ELENA BAY. 1885. 2 items.
Smooth sheet and rough plotting sheet showing hydrography, topography, huts, and freshwater locations. 5 inches to 1 nautical mile. Source: U.S.S. *Ranger.* (Filed as 382.1, #10 and #10a)

973. JUANILLA BAY (PART OF SANTA ELENA BAY). 1885. 2 items.
Smooth sheet and rough plotting sheet showing hydrography and coastal topography. Approx. 5 inches to 1 nautical mile. Source: U.S.S. *Ranger.* (Filed as 382.1, #11 and #11a)

974. MURCIELAGO BAY. 1885. 2 items.
Smooth sheet and rough plotting sheet showing hydrography and coastal topography. Approx. 3 inches to 1 nautical mile. Source: U.S.S. *Ranger.* (Filed as 382.1, #9 and #9a)

975. POTRERO GRANDE BAY. 1885. 2 items.
Smooth sheet and rough plotting sheet showing hydrography and coastal topography. Approx. 5 inches to 1 nautical mile. Source: U.S.S. *Ranger.* (Filed as 382.1, #4 and #4a)

976. CULEBRA BAY. 1885. 2 items.
Rough hydrographic sheet and tracing "for comparison with English chart," showing soundings and a customhouse. Large scale. Source: U.S.S. *Ranger.* (Filed as 382.1, #12 and #12a)

977. POTRERO AND BRAXILITO BAYS, COSTA RICA, AND MEDITOR AND TALON ISLANDS, PANAMA. 1885. 2 items.
Rough sheet and replotted sounding sheet of Potrero and Braxilito Bays (approx. 2 1/2 inches to 1 nautical mile; source: U.S.S. *Ranger*). Reverse side of item #5 contains an apparently unrelated, unfinished topographic chart of the Meditor and Talon Islands, located in the bay of Bahia Honda, southwest coast of Panama (source, date, and scale are not shown). (Filed as 382.1, #5 and #5a)

978. POTRERO AND BRAXILITO BAYS. N.d. 1 item.
Triangulation sheet; authority and date not given, but possibly U.S.S. *Ranger,* 1885. Large scale. (Filed as 153.36)

979. PIEDRA BLANCA BAY. 1885. 2 items.
Smooth sheet and rough plotting sheet showing hydrography and topography. Approx. 6 inches to 1 nautical mile. Source: U.S.S. *Ranger.* (Filed as 382.1, #3 and #3a)

980. GULF OF NICOYA. 1884-85. 12 items.
Survey records, including lists of equal altitudes, and accompanying location chart; rough hydrographic sheet of the gulf and duplicate tracing for "comparison with English charts"; and rough sounding sheets of various parts of the gulf, including one showing the Punta Arenas anchorage. Scales vary. Source: U.S.S. *Ranger.* (Filed as 181.42, #5; 382.1, #13-#14a and #16-#18)

981. GULF OF NICOYA. 1885. 1 item.
Published British Admiralty chart No. 1931, dated 1861 and annotated with

triangulation data, showing hydrography and some topography. A descriptive text is attached to the reverse side of the chart. Insets: plan of Port Herradura and view of Cape Blanco. 1 inch to approx. 1 1/2 nautical miles. Source: U.S.S. *Ranger.* (Filed as 382.1, #23)

982. BALLENA BAY, GULF OF NICOYA. 1885. 2 items.
Smooth sheet and rough plotting sheet showing hydrography and topography. Approx. 3 inches to 1 nautical mile. Source: U.S.S. *Ranger.* (Filed as 382.1, #15 and #15a)

983. UVITA BAY. 1885. 2 items.
Smooth sheet and rough compilation sheet showing hydrography and topography. Approx. 4 inches to 1 nautical mile. Source: U.S.S. *Ranger.* (Filed as 382.1, #8 and #8a)

984. GOLFITO HARBOR, GULF OF DULCE. 1860. 3 items.
Manuscript chart by Lt. W. N. Jeffers of the U.S.S. *Brooklyn* "Chiriqui Survey," showing hydrography and topography. An 1871 note signed by Jeffers reads, "This is the original sheet. The finished copy was sent to Congress." 1:10,000. Source: U.S.S. *Constellation,* 1871. (Filed as 243.35)

985. GOLFITO HARBOR, GULF OF DULCE. 1880. 1 item.
Manuscript chart showing hydrography, topography, and notes on vegetation cover and settlements. 1:10,000. Source: U.S.S. *Adams.* (Filed as 283.14, #1)

986. COTO RIVER AND GOLFITO HARBOR, GULF OF DULCE. 1880. 1 item.
Manuscript chart showing hydrographic features, settlements, and place-names along the river. 1 inch to 2 nautical miles. Source: U.S.S. *Adams.* (Filed as 283.14, #2)

987. GOLFITO HARBOR, COALING STATION SITE, GULF OF DULCE. 1880. 1 item.
Manuscript topographic chart and profile of place selected for coaling station. 1 inch to 50 feet. Source: U.S.S. *Adams.* (Filed as 283.14, #3)

988. GULF OF DULCE. 1885. 2 items.
Smooth sheet and rough plotting sheet covering the entire Gulf and showing hydrography, topography, and settlements, including the town of San Domingo. 1 inch to 1 nautical mile. Source: U.S.S. *Ranger.* (Filed as 382.1, #19 and #20)

989. EL RINCON HARBOR, GULF OF DULCE. 1885. 2 items.
Smooth sheet and rough plotting sheet showing hydrography and topography. Approx. 5 inches to 1 nautical mile. Source: U.S.S. *Ranger.* (Filed as 382.1, #6 and #6a)

PANAMA

See also Panama Canal Zone, entries 1022-1040, and Darien Canal Surveys, entries 1041-1097.

990. TOPOGRAPHIC MAP OF PANAMA. Ca. 1890. 1 item.
"Carto Corografica del estado de Panama Construido con los datos de la Commision Corografica." Small map, printed by the Government of Colombia (probably in the late 19th century) and received in the Hydrographic Office from the U.S.S. *Olympia* in 1904, showing topography, rivers, towns, place-names, and roads. Inset: plan of the Gulf of Uraba or Darien del Norte, now located in northwestern Colombia. 1:810,000. (Filed as 172.32)

991. CHIRIQUI IMPROVEMENT CO. IN WESTERN PANAMA AND EASTERN COSTA RICA. 1901. 2 items.
Photoprocessed map received in the Hydrographic Office and duplicate blueprint showing claimed lands extending from Chiriqui Lagoon and Almirante Bay, Panama, to the Gulf of Dulce, Costa Rica. 1 inch to approx. 15 nautical miles. (Filed as 2123.12, #1 and #2)

Atlantic Coast

992. ALMIRANTE BAY. 1906-7. 29 items.
Preliminary worksheets from survey–boat, triangulation, projection, and supplementary sheets. Scales vary. Source: U.S.

Almirante Bay Survey Expedition. (Filed as 281.39, #47, #52-#67, and #172-#185)

993. ALMIRANTE BAY. 1906-7. 1 item.
Smooth sheet of the bay, from Boca del Drago on the west to Zapatilla Cays on the east, showing extensive soundings, shoreline characteristics, place-names, settlements, and notes on the appearance of the landscape. 1:30,000. Source: U.S. Almirante Bay Survey Expedition. (Filed as 281.39, #187)

994. ALMIRANTE BAY, NORTHWEST PART. 1906-7. 1 item.
Smooth sheet showing hydrography, shoreline characteristics, and notes on the appearance of the landscape. 1:20,000. Source: U.S. Almirante Bay Survey Expedition. (Filed as 281.39, #44)

995. ALMIRANTE BAY, SOUTHWEST PART. 1906-7. 1 item.
Smooth sheet showing hydrography, shoreline characteristics, and notes on the appearance of the landscape. 1:20,000. Source: U.S. Almirante Bay Survey Expedition. (Filed as 281.39, #45)

996. ALMIRANTE BAY, EAST PART. 1906-7. 1 item (3 sections).
Large smooth sheet covering part of bay east of Christoval Island and showing hydrography and shoreline characteristics. 1:12,000. Source: U.S. Almirante Bay Survey Expedition. (Filed as 281.39, #186)

997. BOCA DEL DRAGO, ENTRANCE TO ALMIRANTE BAY. 1901. 3 items.
Preliminary boat sheets from hydrographic survey. Large scale. Source: U.S.S. *Bancroft.* (Filed as 3122.46, #30 and #31)

For a report on the beginning of the Boca Del Drago Survey, see textual records, file 2122.19.

998. BOCA DEL DRAGO, ENTRANCE TO ALMIRANTE BAY. 1901. 2 items.
Rough plotting sheet from field survey and smooth sheet redrawn in the Hydrographic Office's Division of Chart Construction, showing extensive soundings, shoreline characteristics, and villages near the shore. 1 inch to 200 yards. Source: U.S.S. *Bancroft.* (Filed as 3122.46, #29 and #33)

999. SHOALS OFF BOCA DEL TORO, ENTRANCE TO ALMIRANTE BAY. 1879. 1 item.
Tracing showing survey of shoals near Columbus Island. Approx. 9 inches to 1 nautical mile. Source: U.S.S. *Vandalia.* (Filed as 241.52, #1)

1000. BOCA DEL TORO, ENTRANCE TO ALMIRANTE BAY. 1880. 1 item.
Manuscript chart showing soundings and a few shoreline features, including a boat landing and a fort. Inset: view of the entrance. 1:10,000. Source: U.S.S. *Kearsarge.* (Filed as 242.35)

1001. BOCA DEL TORO, ENTRANCE TO ALMIRANTE BAY. 1906-7. 2 items.
Smooth sheet and rough plotting sheet showing depth soundings, place-names, the town of Bocas del Toro, a United Fruit Co. machine shop, Macca Hill telephone pole, and other landmarks. 1:10,000. Source: U.S. Almirante Bay Survey Expedition. (Filed as 281.39, #48 and #48a)

1002. BOCAS DEL TORO HARBOR. 1906-7. 1 item.
Smooth sheet of the inner anchorages showing soundings and a simplified plan of the town of Bocas del Toro. 1:5,000. Source: U.S. Almirante Bay Survey Expedition. (Filed as 281.39, #50)

1003. TOWN OF BOCAS DEL TORO. 1906-7. 1 item.
Plan of town on tracing cloth showing numbered streets and buildings. Large scale. Source: U.S. Almirante Bay Survey Expedition. (Filed as 281.39, #46)

1004. SHEPHERD ISLAND AND HARBOR, ALMIRANTE BAY. 1906-7. 1 item.
Smooth sheet showing hydrography, topography, and "Redman's settlement." Approx. 7 1/2 inches to 1 nautical mile. Source: U.S. Almirante Bay Survey Expedition. (Filed as 281.39, #43)

1005. AMBRIOSO BIGHT, ALMIRANTE BAY. 1906-7. 1 item.
Smooth sheet showing hydrography, shoreline characteristics, and a settlement. 1:10,000. Source: U.S. Almirante Bay Survey Expedition. (Filed as 281.39, #49)

1006. HOSPITAL BIGHT, ALMIRANTE BAY. 1906-7. 1 item.
Smooth sheet showing hydrography and shoreline characteristics. 1:10,000. Source: U.S. Almirante Bay Survey Expedition. (Filed as 281.39, #51)

1007. CHANGUINOLA RIVER. 1901. 1 item.
"Map of Changuinola River and Canal Route from Almirante Lagoon." Tracing of map originally surveyed by A. L. Henriquez. 1 inch to 1,600 feet. Source: U.S.S. *Bancroft.* (Filed as 3122.46, #32)

1008. SANWOOD CHANNEL, CONNECTING ALMIRANTE BAY AND CHIRIQUI LAGOON. 1904. 1 item.
Reconnaissance chart showing soundings by T. W. Leutze. 1 inch to 200 yards. Source: U.S.S. *Prairie.* (Filed as 443.37, #1)

1009. ALMIRANTE BAY AND CHIRIQUI LAGOON. 1904. 1 item.
Published chart (H.O. chart No. 1384, dated 1901), annotated in red ink to show United Fruit Co. plantations, railroads, hospitals, and canal between Almirante Bay and Changuinola River; place-name changes; Sanwood Channel; and villages. 1 inch to 1 nautical mile. Source: U.S.S. *Prairie.* (Filed as 443.37, #2)

1010. TIGER CHANNEL, CHIRIQUI LAGOON. 1904. 1 item.
Rough chart showing soundings only. Approx. 3 inches to 1 nautical mile. Source: U.S.S. *Dixie.* (Filed as 462.11)

1011. NORTHEAST PANAMA FROM COLON TO SAN ISABEL. 1904. 1 item.
"Military Reconnaissance of North Coast of Panama, Colon to San Isabel By Officers of the U.S.S. Atlanta, Commander W. H. Terner, U.S.N. Commanding January 1904." Tracing showing topography, place-names, rivers, trails, railroads, canoe navigation, and anchorages along the coast. 1:96,000. Source: U.S.S. *Atlanta.* (Filed as 172.38)

1012. PORTO BELLO. 1903 and 1914. 4 items.
Rough sheet from 1903 survey and three sheets replotted in the Hydrographic Office in 1914, showing hydrography. Scales vary. Source: U.S.S. *Atlanta.* (Filed as 172.34, #2-#5)

1013. PORTO BELLO. 1903. 1 item.
Smooth sheet showing results of a sextant survey: hydrography, coastal topography, buildings, ruins of castles, and notes on vegetation. 1:5,000. Source: U.S.S. *Atlanta.* (Filed as 172.34, #1)

1014. NOMBRE DE DIOS HARBOR (PLAYA DE DAMAS). 1903. 1 item.
Manuscript chart showing the Caribbean Manganese Mining Co. railroad and wharves, houses, trails, mangrove swamps, and soundings. Approx. 20 inches to 1 nautical mile. Source: U.S.S. *Bancroft.* (Filed as 452.31)

1015. GULF OF SAN BLAS. 1904. 3 items.
Rough chart and two slightly different tracings of the Gulf showing the shoreline, place-names, and hydrographic features. Penciled notes indicate areas needing correction. Approx. 1:95,000. Source: U.S.S. *Mayflower.* (Filed as 172.21, #1-#3)

1016. RIVER MOUTHS IN WESTERN PART OF GULF OF SAN BLAS. 1904. 1 item.
"Sketch chart" on tracing cloth showing depths, widths, and currents of 12 river mouths flowing into the gulf, shoreline characteristics, hydrography, and island settlements. Approx. 1:95,000. Source: U.S.S. *Mayflower.* (Filed as 172.21, #4)

1017. MAYFLOWER SHOAL, GULF OF SAN BLAS. 1904. 2 items.
Smooth sheet and tracing showing soundings at shoal located in Coco Bandero Anchorage. 1 inch to 600 feet. Source: U.S.S. *Mayflower.* (Filed as 172.21, #5 and #6)

1018. RIO DIABLO VICINITY, GULF OF SAN BLAS. 1904. 1 item.

Reconnaissance chart on tracing cloth showing mouth of Rio Diablo, islands (some with Indian villages), shoals, limited soundings, a "probable entrance," the route of trading vessels, and other hydrographic features off the coast. A note gives depths of the Rio Diablo. 3 inches to 1 nautical mile. Source: U.S.S. *Topeka.* (Filed as 463.55, #1)

1019. COAST OF NORTHEAST PANAMA IN VICINITY OF PORTOGANDI, MOSQUITO POINT, AND PUNTA BRAVA. Ca. 1904. 1 item.

"A sketch of the coast from Putrigandi, in Mosquitos Bay, to the Northwest, made from a running survey." Included are Mosquitos River, Cuiti or Mosquito Point, the mouth of Rio Banana, Paloma Cay, Indian villages, and notes on names of Indian villages, topography, and sailing directions. Approx. 2 inches to 1 nautical mile. Source: probably the U.S.S. *Topeka.* (Filed as 463.55, #3)

Pacific Coast

1020. DEEP-SEA SOUNDINGS IN GULF OF PANAMA. 1891. 1 item.

Published chart of the Gulf of Panama (H.O. chart No. 1019, dated 1895), annotated to show soundings taken by the U.S. Fish Commission steamer *Albatross,* the U.S.S. *Ranger,* and two ships of the Central and South American Co. Cable Expedition, the SS *Silvertown* and the SS *Retriever.* 1 inch to approx. 4 nautical miles. (Filed as 3103.38)

1021. DEEP-SEA SOUNDINGS IN GULF OF PANAMA. 1900. 1 item.

Tracing showing a few soundings. Small scale. Source: U.S.S. *Ranger.* (Filed as 1121.15, #30)

PANAMA CANAL ZONE

1022. PROPOSED SHIP CANAL, ISTHMUS OF PANAMA. Ca. 1875. 1 item (5 sections).

"A Chart of the Country From Aspinwall to Panama Showing the Route and Profile of the (Proposed) Ship Canal and the Line of the Panama Railroad. Copied from charts in the Possession of the Panama R.R. Company By . . . U.S.S. *Wabash.*" Large manuscript map showing roads, trails, and settlements along the route. 1 inch to 1,600 feet. Length of five map sections combined, 14 feet. Source: U.S.S. *Wabash.* (Filed as 243.51, #1)

1023. PROPOSED SHIP CANAL, ISTHMUS OF PANAMA. 1875. 1 item.

"U.S. Surveying Expedition, 1875. Commander E. P. Lull, U.S.N., Commanding. Civil-Engineer A. G. Menocal, U.S.N., Chief-Engineer . . . Map of the Isthmus of Panama Showing the Proposed Interoceanic Ship Canal." Manuscript map covering a section of the Isthmus of Panama about 10 miles wide and showing the proposed canal, topography, rivers (as they existed before the construction of the canal), settlements, the Panama Railroad, roads, and offshore soundings at Limon and Panama Bays. Legend includes names of personnel in party No. 1, under Lt. E. H. C. Leutze, and in party No. 2, under Lt. H. G. O. Colby. 1 inch to approx. 6,000 feet. (Filed as 243.51, #3)

1024. PROPOSED SHIP CANAL PROFILE, ISTHMUS OF PANAMA. 1875. 1 item.

Profile. Horizontal scale, 1 inch to 5,000 feet. Source: U.S. Panama Surveying Expedition of 1875, Comdr. E. P. Lull and Civil Engineer A. G. Menocal. (Filed as 243.51, #6)

1025. PLANS OF DAMS, LOCKS, AND CULVERTS FOR PROPOSED SHIP CANAL, ISTHMUS OF PANAMA. 1875. 4 items.

Plans and profile sheets. Scales vary. Source: U.S. Panama Surveying Expedition of 1875, Comdr. E. P. Lull and Civil Engineer A. G. Menocal. (Filed as 243.51, #4, #5, #8, and #9)

1026. "TRANSIT OF ISTHMUS OF PANAMA" WITH PLANS OF TOWNS ALONG THE ROUTE. 1884. 10 items.

Untitled manuscript base map of the proposed Panama Canal and vicinity drawn by

G. Noetzal and others in the Hydrographic Office. A copy of the final printed version, "The Transit of the Isthmus of Panama Prepared in the Office of Naval Intelligence Bureau of Navigation . . . under the direction of Lieut. R. P. Rodgers . . . Chief Intelligence Office 1888 . . .," is filed with the War Department Map Collection in Record Group 77. It covers a section of the Isthmus of Panama approximately 5 miles wide and shows topography, settlements, a railroad, rivers (as they existed before the construction of the canal), and soundings off the Atlantic and Pacific coasts. Also included are nine small plans of towns along the route (prepared for publication as insets on the final map). 1 inch to 1 nautical mile. (Filed as 381.48)

Atlantic Coast

1027. MANZANILLO ISLAND AND PORT OF ASPINWALL (COLON). 1865. 1 item.

Small manuscript chart annotated on reverse side as having been taken from the narrative remark book of the ship *James Adger,* 1865, and showing soundings in the adjacent part of Limon Bay, areas of the island covered by vegetation, a railroad, buildings, wharves at Aspinwall, and the Indian village of Colon. A legend identifies individual buildings. Scale is not shown. (Filed as 251.27, #3)

1028. LIMON BAY AND ASPINWALL (COLON). 1865. 2 items.

"Navy Bay and Aspinwall." Manuscript chart by A. F. Holmes, acting master, USN, showing hydrography, coastal features, buildings and wharves in Aspinwall, and the Indian village of Colon. Insets: drawings of Limon Point and the lighthouse at the northwest point of Manzanillo Island. A small tracing is also included. Approx. 5 inches to 1 nautical mile. (Filed as 243.28)

1029. LIMON BAY AND ASPINWALL (COLON). 1868. 1 item.

"Limon Bay or Puerto de Naos from surveys by Major Lloyd & Commr. Barnett, 1829-40." Tracing showing hydrography, the settlement at Aspinwall, and part of a railroad. Approx. 1 1/4 inches to 1 nautical mile. Source: U.S.S. *Penobscot.* (Filed as 241.41)

1030. PORT OF CHAGRES, PANAMA. 1875. 1 item.

Manuscript chart of harbor at the mouth of the Chagres River (west of the present Atlantic entrance to the Panama Canal), showing hydrography, topography, and buildings. 1 inch to 200 feet. Source: U.S.S. *Canandaigua.* (Filed as 241.45)

1031. ASPINWALL (COLON) WATERFRONT. Ca. 1879. 1 item.

"Plan of Aspinwall. Shaded parts show lots now occupied." Undated tracing showing harbor soundings, docks, streets, names of individual buildings, and part of the Panama Railroad. 1 inch to 200 feet. Source: U.S.S. *Vandalia.* (Filed as 241.52, #2)

1032. LIMON BAY AND ASPINWALL (COLON). 1885. 1 item.

"Colon Bay and Aspinwall." Manuscript chart, based partly on a chart by the Panama Canal Co. and partly on a survey by the U.S.S. *Galena,* showing soundings, buildings, and part of a railroad. 1:20,000. Source: U.S.S. *Galena.* (Filed as 251.78, #1)

1033. LIMON BAY AND ASPINWALL (COLON). 1885. 1 item.

"Baie de Colon." Large tracing of chart originally prepared in French by the Panama Canal Co., showing the shoreline, buildings, wharves, and a railroad in Aspinwall. 1 inch to approx. 400 feet. Source: U.S.S. *Galena.* (Filed as 251.78, #2)

1034. LIMON BAY. 1908. 1 item.

Blueprint, received from the Isthmian Canal Commission and the Army Corps of Engineers, showing "position of certain buoys in Limon Bay." Large scale. (Filed as 253.50)

Pacific Coast

1035. DREDGED CHANNEL TO LA BOCA (ENTRANCE TO CANAL). 1900. 3 items.
Rough plotting sheets from survey. Scales are not shown. Source: U.S.S. *Ranger.* (Filed as 1121.15, #24-#26)

1036. DREDGED CHANNEL TO LA BOCA (ENTRANCE TO CANAL). 1900. 2 items.
Smooth sheets from a survey by the U.S.S. *Ranger,* with additional soundings apparently added from surveys by the U.S. ships *Philadelphia, Iowa,* and *Bancroft.* One shows hydrography and topography; the other shows topography only. Shown on both are Panama Railroad wharves, notes on vegetation and mudflats, and buildings of the Pacific Main Steamship Co. on Naos Island. 1:4,000. (Filed as 1121.15, #29 and #29a)

1037. DREDGED CHANNEL TO LA BOCA (ENTRANCE TO CANAL). 1900. 1 item.
Tracing showing soundings and buoys. Large scale. Source: U.S.S. *Bancroft.* (Filed as 1121.15, #44; two duplicate copies filed as 3121.6)

1038. DREDGED CHANNEL TO LA BOCA (ENTRANCE TO CANAL). 1901. 1 item.
Tracing showing soundings and buoys. 1:2,000. Source: U.S.S. *Iowa.* (Filed as 1121.15, #40)

1039. DREDGED CHANNEL TO LA BOCA (ENTRANCE TO CANAL). 1902. 1 item.
Tracing annotated "Forwarded with report of a Board of Officers, which is filed in O.N.I.–P.4.A.–1903. Reg. No. 27–Papers relating to campaign on Isthmus of Panama" and showing soundings and buoys. Large scale. Source: U.S.S. *Philadelphia.* (Filed as 1121.15, #43)

1040. BOUNDARY OF U.S. CANAL ZONE WITH CITY OF PANAMA. 1904. 1 item.
Blueprint map, with boundary marked in red and green lines, "drawn to illustrate the effect of the Provisional Delimitation by agreements: (1) June 15th 1904 between the Governor of the Canal Zone and the Minister of . . . the Republic of Panama (2) December 3rd 1904, between the Secretary of War of the United States and the President of the Republic of Panama." Approx. 7 inches to 1 nautical mile. (Filed as 281.38)

DARIEN CANAL SURVEYS, PANAMA AND COLOMBIA

1041. EXPLORATIONS ALONG THE ATRATO-SAN JUAN ROUTE. 1852. 1 item.
"Map of an Exploration for an Interoceanic Canal by Way of the Rivers Atrato and San Juan in New Granada . . . From Observations made by John C. Trautwine, C.E. in 1852." Printed map of the Darien region (northwest Colombia and eastern Panama), annotated in pencil to show parts that are "wrong in the original," and showing the proposed canal route, topography, and rivers. 1 inch to approx. 25 nautical miles. (Filed as 243.39, #4)

1042. ATRATO-TRUANDO ROUTE. 1858-59. 6 items.
Records of survey by Lt. N. Michler, U.S. topographical engineer–(#1a) manuscript map entitled "Rough Plot of Survey from Gulf of Darien to the Pacific Ocean," dated 1858 (1 inch to approx. 6 nautical miles); (#1b) rough sketch chart of the survey in pencil and ink, dated 1858-59 (1 inch to approx. 5 nautical miles); (#1c) profile of principal points from the junction of the two rivers to the Pacific Ocean; (#1d) table of data regarding topography, vegetation, zoology, and other features; and (#2 and #3) two printed profiles of the surveyed route and the proposed ship canal (including a tunnel through the Andes), one marked "Senate Ex. Doc. No. 9, 2nd session, 36th Congress." (Filed as 243.39, #1a-#3)

1043. CALEDONIA HARBOR, NORTHEAST PANAMA. Ca. 1858-59. 1 item.
Published chart of Caledonia Harbor (British Admiralty chart No. 2433, dated 1856), annotated with remarks by "Edward Cullen, M.D." concerning place-names and

the route for an interoceanic canal (Caledonia Bay to Savana River and San Miguel Bay). Approx. 2 1/2 inches to 1 nautical mile. (Filed as 243.39, #7)

1044. CALEDONIA ROUTE ACROSS THE ISTHMUS OF DARIEN. 1866. 1 item.

Manuscript map, prepared for publication as plate IX in the report by Rear Adm. C. H. Davis, ordered by the Senate, March 19, 1866, and compiled by "Dr. Cullen," showing the proposed Caledonia route for an interoceanic canal (Caledonia Bay to Savana River and San Miguel Bay), with additional former routes of several explorers. Inset: bird's-eye perspective drawing of the proposed canal. 1 inch to approx. 4 nautical miles. (Filed as 243.39, #5)

1045. PROPOSED CANAL ROUTE ACROSS THE ISTHMUS OF DARIEN FROM GULF OF SAN BLAS TO BAYANO (CHEPO) RIVER. 1866. 1 item.

Printed map, prepared as plate VII in the report by Rear Adm. C. H. Davis, ordered by the Senate, March 19, 1866, showing the proposed canal as of 1864. Inset: topographic profile. 1 inch to 9,000 feet. (Filed as 243.51, #10)

1046. ISTHMUS OF DARIEN (EASTERN PANAMA). 1866. 1 item.

"Isthmus of Darien from 77°20′ to 80°10′ Compiled at the U.S. Naval Observatory from various Authorities including Maps of 1764." Manuscript map, prepared for publication as plate XIII in a report by Rear Adm. C. H. Davis, ordered by the Senate, March 19, 1866, covering the entire eastern part of Panama and showing coastal soundings, generalized topography, the Aspinwall-Panama railroad, roads, and settlements. 1 inch to approx. 5 nautical miles. (Filed as 243.39, #6)

1047. ISTHMUS OF DARIEN (EASTERN PANAMA AND NORTHWEST COLOMBIA). 1870-71. 1 item.

General map, prepared as plate 1 of a published report of the T. O. Selfridge expedition, showing the various river areas surveyed for possible canal use, a proposed canal along the Napipi-Atrato route in Colombia, and other information. 1:375,000. (Filed as 243.52, #71; duplicate copy filed as 463.30)

1048. STATE OF ANTIOQUIA, COLOMBIA. Ca. 1871. 1 item.

"Copy of a very old Spanish map," prepared as a plate in a published report of the T. O. Selfridge expedition, showing topography, rivers, and place-names. 1 inch to approx. 3 1/2 nautical miles. (Filed as 243.52, #62)

1049. SOUTHEAST COAST OF PANAMA. Ca. 1871. 1 item.

Small-scale sketch chart filed with T. O. Selfridge survey records. (Filed as 253.52, #26)

San Blas to Chepo River, Central Panama

1050. ISTHMUS OF SAN BLAS. 1870. 1 item (2 sections).

Manuscript map from the T. O. Selfridge expedition of Panama between the Gulf of San Blas on the Atlantic and the mouth of the Chepo (or Bayano) River on the Pacific. Shown are physical features and settlements along the rivers and tributaries surveyed, including the Mandinga, Nercalagua, Carti, Mamoni, and Chepo Rivers. 1:20,000. (Filed as 243.52, #15 and #15a)

1051. ISTHMUS OF SAN BLAS. Ca. 1870. 1 item.

Map (apparently based on the manuscript map described in entry 1050) prepared as a plate for a published report of the T. O. Selfridge expedition. 1:100,000. (Filed as 243.52, #60)

1052. MANDINGA, SAMGANDI, AND NERCALAGUA RIVERS (MANDINGA LINE). 1870. 1 item.

Original rough worksheet from the T. O. Selfridge expedition showing Mandinga Harbor in the Gulf of San Blas (Atlantic coast of Panama) and the Mandinga River and its tributaries (coverage extends from the Atlantic coast to the central part of the isthmus), as well as plantations and vegetation cover immediately adjacent to the rivers. 1:10,000. (Filed as 243.52, #5)

1053. MANDINGA HARBOR, GULF OF SAN BLAS, ATLANTIC COAST OF PANAMA. 1870. 2 items.

Rough plotting sheet and manuscript map, prepared as a plate for a published report of the T. O. Selfridge expedition, showing hydrography and coastal features. 1:20,000. (Filed as 243.52, #63 and #64)

1054. LOWER CHEPO (OR BAYANO) RIVER AND APPROACHES, PACIFIC COAST OF PANAMA. 1870. 1 item.

Rough manuscript chart showing the Chepo River from its mouth to its confluence with the Mamoni River and offshore features, including hydrography and farms on Chepillo Island, surveyed by Eastman in the U.S.S. *Nyack*, attached to the T. O. Selfridge expedition. Scale is not shown. (Filed as 243.52, #27a)

Caledonia Harbor to San Miguel Bay, Eastern Panama

1055. ROUTE FROM CALEDONIA HARBOR (ATLANTIC COAST) TO SAN MIGUEL BAY (PACIFIC COAST) VIA THE CHUCUNAQUE RIVER. 1870-71. 1 item.

Map prepared as a plate for the published report of the T. O. Selfridge expedition of 1870-71. 1:100,000. (Filed as 243.52, #73)

1056. RIVERS EXTENDING INLAND FROM CALEDONIA HARBOR (CALEDONIA LINE). Ca. 1870-71. 1 item.

Original worksheet No. 1 from the T. O. Selfridge expedition showing field notes and book numbers from surveys of the Washington, Aglaseniqui, Aglatomati, and Sucubdi Rivers, located between Caledonia Harbor on the Atlantic coast and the inland village of Sucubdi. (Filed as 243.52, #13)

1057. RIVERS EXTENDING INLAND FROM CALEDONIA HARBOR (CALEDONIA LINE). Ca. 1870-71. 1 item.

Original worksheet No. 2 from the T. O. Selfridge expedition, covering the area "from rainy hollow over the mountain to the Sucubdi River .... This work was afterwards transferred to Sheet 1" and showing Sucubdi village, the "furthest point reached by Lieut. G. P. Shultz." Scale is not shown. (Filed as 243.52, #1)

1058. RIVERS EXTENDING INLAND FROM CALEDONIA HARBOR (CALEDONIA LINE). Ca. 1870-71. 1 item.

Manuscript map (based on the original worksheets described in entries 1056 and 1057) from the T. O. Selfridge expedition showing rivers from Caledonia Harbor on the Atlantic coast to the inland village of Sucubdi. 1:10,000. (Filed as 243.52, #18)

1059. SASSARDI RIVER FROM CALEDONIA HARBOR TO MORTI RIVER (SASSARDI LINE). Ca. 1870-71. 2 items.

Triangulation sheet and original plotting sheet from the T. O. Selfridge expedition. Scales vary. (Filed as 243.52, #12 and #25)

1060. SASSARDI RIVER FROM CALEDONIA HARBOR TO MORTI RIVER (SASSARDI LINE). Ca. 1870-71. 1 item.

Manuscript map from the T. O. Selfridge expedition showing physical features and settlements immediately adjacent to the river. 1:10,000. (Filed as 243.52, #20)

Tuira (Tuyra) River, Panama, and Northern Atrato River, Colombia

1061. PART OF DARIEN HARBOR AND LOWER SAVANA RIVER, PANAMA. 1870. 1 item (2 sections).

Manuscript chart, surveyed by the U.S.S. *Nyack*, attached to the T. O. Selfridge expedition, showing river soundings, the shoreline, a village, and a landing. Approx. 3 inches to 1 nautical mile. (Filed as 181.39)

1062. TUIRA-PAYA-ATRATO ROUTE. Ca. 1870. 1 item.

Manuscript map by L. Lacharme, civil engineer, showing a possible route for a canal by way of the Tuira, Paya, and Atrato Rivers. Note on reverse reads, "Hogg - Ack. & send to Calif. Selfridge." Approx. 1 inch to 4 nautical miles. (Filed as 243.52, #75)

1063. TUIRA-ATRATO ROUTE. Ca. 1871. 7 items.

Rough plotting sheets from the T. O. Selfridge expedition, covering parts of

Darien Harbor (entrance to Tuira River) and the Paya River (tributary of Tuira) in what is now Panama, and Cacarica River and part of Atrato River in what is now Colombia. The sheets contain notes on the location of the mountain divide and show campsites, observation points, and topography. Some sheets are labeled "Miscellaneous." Scales vary. (Filed as 243.52, #26a-#26g)

1064. DARIEN HARBOR AND TUIRA RIVER. 1871. 1 item.

Chart, prepared as a plate for a published report of the 1871 T. O. Selfridge expedition, covering area as far as the town of Santa Maria and showing river soundings and adjacent topographic features. 1:40,000. (Filed as 243.52, #74)

1065. DARIEN HARBOR (ENTRANCE TO TUIRA RIVER). Ca. 1871. 1 item (2 sections).

Rough chart from the T. O. Selfridge expedition showing soundings, the mouth of Setegani River, and the village of Chipigana. Approx. 7 inches to 1 nautical mile. (Filed as 243.52, #3 and #4)

1066. MOUTH OF TUIRA RIVER AT CONFLUENCE WITH DARIEN HARBOR. Ca. 1871. 2 items.

Rough charts of survey by Norris, Niles, Collins, and Buckingham of the T. O. Selfridge expedition showing hydrography, Resaca Island, and mouths of tributaries. Approx. 7 inches to 1 nautical mile. (Filed as 243.52, #8 and #10)

1067. UPPER TUIRA, CUE, AND PAYA RIVERS, PANAMA. 1871. 1 item.

Map, prepared as a plate for a published report of the 1871 T. O. Selfridge expedition and labeled "sheet 4" of a four-part map of the expedition's work, covering area from the towns of Santa Maria and Pinogana on the Tuira River to the mountain divide between Panama and Colombia and showing expedition campsites, vegetation, topography, and settlements. 1:80,000. (Filed as 243.52, #68)

1068. MIDDLE PART OF TUIRA RIVER, PANAMA. 1871. 1 item.

Rough hydrographic chart of the river west of the town of Santa Maria, which includes the following title (apparently meant for a series of related charts): "Darien and Tuyra Rivers, U.S. Darien Expedition 1871 From a Survey made by Master F. Collins and Ensign S. C. Paine." 1:20,000. (Filed as 243.52, #9)

1069. UPPER TUIRA RIVER, PANAMA. Ca. 1871. 1 item.

Rough hydrographic chart from the T. O. Selfridge expedition showing the river from the town of Pinogana to the mouth of the Cue River, Panama. 1:20,000. (Filed as 243.52, #7)

1070. TUIRA-ATRATO ROUTE PROFILE. Ca. 1871. 1 item.

Rough topographic profile from the T. O. Selfridge expedition, covering an area from Lake Cacarica to the summit between Panama and Colombia. Horizontal scale, 1:20,000. (Filed as 243.52, #2)

1071. NORTHERN ATRATO RIVER AND GULF OF URABA (DARIEN), COLOMBIA. 1871. 7 items.

Manuscript chart and six rough preliminary sheets from the T. O. Selfridge expedition. The main chart covers the Atrato River as far south as Lake Lopez, the Gulf of Uraba (Darien), and tributaries of the Atrato, including the Tanela, Peranchita, and Cacarica Rivers, and shows topography and a few settlements adjacent to the river, expedition campsites (with dates), and triangulation data. Scale of main map, 1 inch to approx. 1 1/2 nautical miles. (Filed as 243.52, #22-#22f)

1072. NORTHERN ATRATO RIVER AND TRIBUTARIES, COLOMBIA. 1871. 2 items.

Two maps, prepared as plates for the published report of the T. O. Selfridge expedition and labeled "sheet 2" and "sheet 3" of a four-part map of the expedition's work, covering the Atrato River as far south as Lake Lopez and the

Tanela, Peranchita, and Cacarica tributaries. Adjacent topography and expedition campsites are shown. 1:80,000. (Filed as 243.52, #66 and #67)

1073. TANELA RIVER (TRIBUTARY OF ATRATO RIVER), COLOMBIA. Ca. 1871. 1 item (2 sections).

Manuscript map from the T. O. Selfridge expedition, covering the Tanela River from its headwaters to the delta of the Atrato on the Gulf of Uraba (Darien) and showing topography along the river and expedition campsites. Approx. 3 inches to 1 nautical mile. (Filed as 243.52, #16 and #16a)

1074. PERANCHITA RIVER (TRIBUTARY OF ATRATO RIVER), COLOMBIA. Ca. 1871. 1 item.

Manuscript map from the T. O. Selfridge expedition showing topography along the river, expedition campsites, cross sections of the river, and a drawing of palm vegetation. Part of the map is missing. Scale is not shown. (Filed as 243.52, #21)

1075. COLUMBIA BAY, GULF OF URABA (DARIEN), COLOMBIA. Ca. 1871. 2 items.

Rough hydrographic sheets from the T. O. Selfridge expedition showing soundings and the shoreline. Scales vary. (Filed as 243.52, #6 and #19)

1076. COLUMBIA BAY, GULF OF URABA (DARIEN), COLOMBIA. Ca. 1871. 1 item.

Tracing, filed with the records of the T. O. Selfridge expedition, showing triangulation lines and astronomical observatory. Signed "Tho. [?] Alfred Ellish." 1:48,000. (Filed as 243.52, #76)

1077. COLUMBIA BAY, GULF OF URABA (DARIEN), COLOMBIA. Ca. 1871. 1 item.

Chart, prepared as a plate in a published report of the T. O. Selfridge expedition, showing soundings, the delta of the Atrato River, and coastal settlements. 1:40,000. (Filed as 243.52, #72)

Napipi and Southern Atrato Rivers, Colombia

1078. NAPIPI RIVER CANAL ROUTE (TO LIMON BAY). 1871. 1 item (3 sections).

Manuscript map from the T. O. Selfridge expedition, covering the Napipi River from its junction with the Atrato River to Limon Bay on the Pacific coast and showing physical features and triangulation points. Approx. 6 inches to 1 nautical mile. (Filed as 243.52, #17a-#17c)

1079. NAPIPI RIVER CANAL ROUTE. 1871. 1 item.

Rough map in pencil, apparently from the T. O. Selfridge expedition. Dwellings are indicated along the adjoining Atrato portion. Approx. 1 inch to 1 mile. (Filed as 243.52, #27)

1080. NAPIPI RIVER ROUTE (TO LIMON BAY AND CHIRI CHIRI BAY). 1871. 1 item.

Map, prepared as a plate for a published report of the T. O. Selfridge expedition and labeled "sheet 1" of a four-part map of the expedition's work, showing proposed canal to Limon Bay on the Pacific coast, proposed line of additional survey to Chiri Chiri Bay, topography adjacent to the river, and campsites of the expedition. 1:80,000. (Filed as 243.52, #65)

1081. NAPIPI RIVER ROUTE PROFILES. Ca. 1871. 4 items.

Topographic profiles from the T. O. Selfridge expedition of the Napipi route from the Atrato River to the Pacific Ocean at Limon Bay—unfinished version, completed tracing (1:40,000), duplicate drawn at smaller scale, and plate for a published report of the expedition (1:80,000). The tracing includes a descriptive summary of supplies of water, dimensions of a tunnel and canal, the volume of earth needed to be cut, and costs. Several of the profiles show plans of locks and cross sections of the proposed tunnel. (Filed as 243.52, #11, #17, 17e, and #61)

1082. NAPIPI RIVER ROUTE LOCKS. Ca. 1871. 1 item.

Plan of locks on the Pacific slope of the route from the T. O. Selfridge expedition. 1 inch to 200 feet. (Filed as 243.52, #17d)

1083. ROUTES BETWEEN PROPOSED NAPIPI-ATRATO CANAL AND PORTS IN THE PACIFIC OCEAN. 1872. 1 item.

Manuscript chart, prepared by Lt. Fred Collins, apparently as a plate in a published report, illustrating potential oceanic routes and distances to and from the canal proposed by Commander Selfridge. Small scale. (Filed as 243.52, #59)

1084. NAPIPI RIVER CANAL ROUTE (TO LIMON AND CHIRI CHIRI BAY). Ca. 1873. 1 item.

Map, based on the 1871 and 1873 T. O. Selfridge expeditions and prepared as a plate for the published report, showing the proposed canals to Limon Bay (1871) and to Chiri Chiri Bay (1873), physical features, canal facilities, and campsites. 1:50,000. (Filed as 243.52, #70)

1085. SOUTHERN PART OF ATRATO RIVER. 1873. 1 item.

Map, prepared as a plate for a published report of the 1873 T. O. Selfridge expedition, covering an area from the Bojaya River (town of Vejia Fuerte) to the Quito River (town of Quibdo) and showing river soundings, topography, plantations, and settlements adjacent to the river. 1:80,000. (Filed as 243.52, #69)

1086. NAPIPI RIVER CANAL ROUTE (TO LIMON AND CHIRI CHIRI BAYS). Ca. 1875. 1 item.

Published map based on the 1871 and 1873 T. O. Selfridge expeditions and prepared as a plate for the published report (see similar map listed in entry 1084). The base map shows the proposed canals to Limon Bay (1871) and to Chiri Chiri Bay (1873), physical features, canal facilities, and campsites. Annotations, which apparently were added during the Collins expedition of 1875, show additional topographic features and proposed canal lines and facilities. 1:50,000. (Filed as 243.52, #40)

1087. NAPIPI RIVER CANAL ROUTE (TO CHIRI CHIRI BAY). 1875. 1 item (5 sections).

Large manuscript map of the Napipi route from the Atrato River to the Pacific Ocean, originally compiled during the Selfridge expeditions of 1871 and 1873 and revised during the Collins expedition of 1875, showing proposed canals, topography, campsites, settlements, and triangulation data. Inset: profile of proposed canal. 1:10,000. (Filed as 243.52, #28, sheets 1-5)

1088. NAPIPI RIVER CANAL ROUTE (TO CHIRI CHIRI BAY). 1875. 2 items.

"General Map [sheets 1 and 2] Showing the Vicinity of the Route Proposed by Commander T. O. Selfridge, U.S. Navy, for an Interoceanic Ship-Canal, by way of the Atrato, Napipi and Doguado Rivers, in the Canton of Choco, State of Cauca U.S. of Colombia." Manuscript maps prepared as plates 1 and 2 in the published report of the Collins expedition. They cover an area from the Atrato River to Chiri Chiri Bay on the Pacific coast and show campsites, rivers from the Selfridge surveys of 1871 and 1873, and topography and proposed canals from the Collins survey of 1875. 1 inch to approx. 1,800 feet. (Filed as 243.52, #54 and #55)

1089. NAPIPI RIVER ROUTE PROFILES. 1875. 2 items.

Manuscript topographic profiles from the Collins expedition, one prepared as a plate for a published report. Scales vary. (Filed as 243.52, #48 and #57)

1090. NAPIPI RIVER ROUTE ALTERNATIVE CANAL, TUNNEL, DAM, AND AQUEDUCT. 1875. 4 items.

Manuscript plans prepared as plates for a published report of the Collins expedition. Included are a plan of dam No. 1 for carrying the canal across the Napipi River and a plan of the proposed aqueduct for feeding the canal from the Cuia River. Scales vary. (Filed as 243.52, #50-#53)

1091. CHIRI CHIRI BAY, PACIFIC COAST OF COLOMBIA. 1875. 1 item.

Manuscript map and cross section, prepared as a plate for the published report of the Collins expedition, showing locks, breakwaters, and anchorage. 1 inch to 200 feet. (Filed as 243.52, #56)

1092. METEOROLOGICAL CHART. 1875. 1 item.
Chart for February, March, and April 1875 compiled by Lt. S. C. Paine and prepared as a plate for a published report of the Collins expedition. (Filed as 243.52, #58)

1093. SOUNDING APPARATUS. 1875. 2 items.
Pencil drawing of sounding apparatus used by Lieutenant Collins. (Filed as 243.52, #46)

1094. NAPIPI RIVER ROUTE. N.d. 2 items (several sections each).
Large-scale worksheets covering the entire route from the Atrato River to the Pacific Ocean and showing topography, observation points, campsites, and areas covered by field notebooks. 1 inch to 1,500 feet. Length of larger sheet, 14 feet. Source: not identified, but either the Selfridge or the Collins expedition. (Filed as 243.52, #29 and #30)

1095. CUITA AND CUIA RIVERS AND THE VICINITY OF CAMP 8, NAPIPI RIVER ROUTE. N.d. 2 items.
Rough charts. Scales are not shown. Source is not identified but is either the Selfridge or the Collins expedition. (Filed as 243.52, #31 and #32)

1096. MISCELLANEOUS WORKSHEETS. N.d. 14 items.
Rough plan of a dam at the junction of the Napipi and Murindo Rivers, rough topographic profile of the Napipi route, weather observations, and cross sections of rivers. Scales vary. Source is not identified but is either the Selfridge or the Collins expedition. (Filed as 243.52, #33-#39, #41-#45, and #47-#49)

1097. UNIDENTIFIED PLANS. N.d. 3 items.
Records apparently relating to the Selfridge-Collins Darien canal surveys—plan and cross section of an unidentified system of locks, rough profile of an unidentified area, and a boat sheet noted as being "Boat sheet a to i, Mr. Lowe." Source is not identified. (Filed as 243.52, #14, #23, and #24)

Caribbean Sea and Gulf of Mexico

1098. WEST INDIA HURRICANE TRACK CHART. 1866. 1 item.
Chart, printed by the British Admiralty, showing the track of the West India Hurricane through the Caribbean in September and October 1866, as noted during a voyage of H.M.S. *Nimble.* It is annotated to show the place off the U.S. coast where the ship *Evening Star* foundered. Note on reverse side indicates that it was forwarded at the request of the Secretary of State. Small scale. (Filed as 243.27)

1099. TELEGRAPH CABLE IN THE CARIBBEAN SEA. 1870. 3 items.
Tracings showing soundings and the intended line of a submarine cable along the southern coast of Cuba, the island of Hispanola, Puerto Rico, the lesser Antilles, and Trinidad. Small scale. Source: U.S.S. *Yantic.* (Filed as 251.41, #1-#3)

1100. UNSUCCESSFUL SEARCH FOR LA VELA SHOAL OR VABALA ISLAND, SOUTHEAST OF JAMAICA. 1874. 1 item.
Manuscript track chart. 1 inch to 2 nautical miles. Source: U.S.S. *Shawmut.* (Filed as 241.19)

1101. SURVEY OF WINDS AND CURRENTS IN THE GULF OF MEXICO. 1874-78 and 1893. 1 item.
Published chart of the Gulf of Mexico (Coast and Geodetic Survey chart D, dated 1885), annotated with symbols relating to winds and currents and with notes relating to procedures used during the survey. The survey was conducted in 1874-78; information added to the chart was copied from sounding books and sheets in 1893. Small scale. Source: U.S. Coast Survey steamer *Blake,* commanded by Lt. Comdr. C. D. Sigsbee, USN. (Filed as 262.43)

1102. TELEGRAPH CABLE AND SOUNDINGS IN THE GULF OF MEXICO. 1889. 6 items.
Five tracings showing soundings and a telegraph line along parts of the Texas and Mexican coast, and the log of the "Mexican

Cable Expedition" (on 17 sheets). Scale of tracings is not shown. Source: U.S.S. *Faraday*. (Filed as 252.77)

BAHAMA ISLANDS

1103. SAN SALVADOR (WATLING ISLAND). 1875. 2 items.
Triangulation diagrams used in survey. Large scale. Source: U.S.S. *Shawmut*. (Filed as 241.35, #3 and #4)

1104. SAN SALVADOR (WATLING ISLAND). 1875. 3 items.
Sketch chart and two tracings of the island showing the shoreline, an interior salt lagoon, place-names, and the wreck of the *City of Guatemala*. 1 inch to approx. 2 nautical miles. Source: U.S.S. *Shawmut*. (Filed as 241.35, #1, #2, and #5)

1105. PORT NELSON, RUM CAY. 1886. 1 item.
Manuscript plan of the port showing soundings and sailing directions. Approx. 6 inches to 1 nautical mile. Source: U.S. Fish Commission steamer *Albatross*. (Filed as 251.63, #3)

1106. SAMANA CAY, PLANAS CAY, AND PART OF ACKLIN ISLAND. 1832. 1 item.
"Samana, the Flat Cays, and Eastern Part of Acklin's Island as surveyed in His Majesty's Ship *Blossom* . . . 1832." Tracing of original chart, forwarded by the U.S. consul in 1881, showing hydrography and topography. 1 inch to approx. 2 nautical miles. (Filed as 242.15)

1107. KANSAS BANK AND BROWN'S SHOAL, SOUTHERN BAHAMAS. 1874. 2 items.
Manuscript charts, "Plan A" and "Plan B," showing the track of the U.S.S. *Kansas* in an unsuccessful search for Brown's Shoal and a plan of a nearby Kansas shoal discovered during search. Large scale. (Filed as 241.42, #1 and #2)

CUBA, NORTH COAST

1108. CAPE SAN ANTONIO, WEST END OF CUBA (SEARCH FOR REPORTED DANGERS). 1883. 4 items.
Smooth sheet, prepared for publication by the Hydrographic Office, showing tracks and soundings in the vicinity of Antonio Knoll and positions of the shoal as reported by earlier sources; two rough sounding sheets; and copy of British Admiralty chart No. 2579 of the western half of Cuba (dated 1882), annotated to show the track of the ship. Scales vary. Source: U.S.S. *Tallapoosa*. (Filed as 242.38, #1-#4)

1109. CAPE SAN ANTONIO, WEST END OF CUBA (SEARCH FOR REPORTED DANGERS). 1884. 1 item.
Manuscript chart showing soundings of the U.S. Fish Commission steamer *Albatross*. 1 inch to 2 nautical miles. (Filed as 251.2)

1110. COLORADO REEFS AND CAPE SAN ANTONIO, NORTHWEST CUBA. 1901. 10 items.
Preliminary worksheets from reconnaissance–boat sheets, tidal record, and rough plotting sheets. Scales vary. Source: U.S.S. *Eagle*. (Filed as 3121.7, #5-#14)

1111. COLORADO REEFS AND CAPE SAN ANTONIO, NORTHWEST CUBA. 1901. 2 items.
Smooth sheets from reconnaissance showing the shoreline and soundings. Large scale. Source: U.S.S. *Eagle*. (Filed as 3121.7, #3 and #4)

1112. COLORADO REEFS AND CAPE SAN ANTONIO, NORTHWEST CUBA. 1901. 1 item.
Photocopy of reconnaissance sheet by the U.S.S. *Eagle*, annotated with fathom curves and the note "This is to replace blueprint of rough sketch of soundings inside Colorado Reefs, sent to U.S.S. *Vixen* and not returned. N.H.C." 1:80,000. (Filed as 4121.36)

1113. COLORADO REEFS AND GUADIANA BAY, NORTHWEST CUBA. 1901-2. 15 items.
Preliminary worksheets from reconnaissance–boat sheets, sheets from a running survey of the coastline, triangulation diagram, and tracings with additional soundings. Scales vary. Source: U.S.S. *Vixen*. (Filed as 133.33, #1a-#13a, #16a, and #17a)

1114. COLORADO REEF AND GUADIANA BAY, NORTHWEST CUBA. 1901-2. 2 items.

Smooth sheet and rough compilation sheet showing extensive soundings. The rough compilation sheet (#15a) contains an incomplete graphic index showing coverage of some of the boat sheets described in entry 1113; the index was apparently added in 1903. 1:80,000. Source: U.S.S. *Vixen.* (Filed as 133.33, #14a and #15a)

1115. BAHIA HONDA, NORTHWEST CUBA. 1867. 1 item.

Small manuscript chart showing soundings, the place where the ship grounded, and a road. Approx. 2 inches to 1 nautical mile. Source: U.S.S. *Don.* (Filed as 243.31)

1116. BAHIA HONDA ENTRANCE, NORTHWEST CUBA. 1901. 1 item.

"Hydrographic Reconnaissance. Entrance to Bahia Honda. Plane Table Sheet. Nov. 25th, 1901." Tracing showing the deep-water channel leading into the bay, and adjacent shorelines. Approx. 8 1/2 inches to 1 nautical mile. Source: U.S.S. *Vixen.* (Filed as 4123.10)

1117. BAHIA HONDA, NORTHWEST CUBA. 1903. 8 items.

Records of a reconnaissance of the territory ceded to the United States for a coaling station—large-scale, smooth sounding sheet of the anchorage of Bahia Honda; boat sheets; and three blueprint copies of a tracing entitled "Navy Department. United States Board. Coaling Station at Bahia Honda, Cuba. Plan of the Station showing its boundaries, coastlines, and location of monuments. 1:10,000." (Filed as 171.45, #1-#5 and #1a-#1c)

1118. BAHIA HONDA, NORTHWEST CUBA. 1903-4. 21 items.

Preliminary worksheets from survey—rough sounding sheet; triangulation diagram; five topographic planetable sheets; nine boat sheets; three tracings showing buoys, anchorages, and the progress of the survey; and unidentified tracing. Scales vary. Source: U.S.S. *Eagle.* (Filed as 172.24, #2-#22)

1119. BAHIA HONDA, NORTHWEST CUBA. 1903-4. 1 item.

Smooth sheet showing results of survey—hydrography, coastal topography, railroads, and dwellings. Approx. 7 inches to 1 nautical mile. Source: U.S.S. *Eagle.* (Filed as 172.24, #1)

1120. BAHIA HONDA, NORTHWEST CUBA. 1904. 1 item (2 sections).

Plan of the proposed site of a U.S. naval reservation and the proposed addition south of Santa Teresa Bay "showing land available for practicable site for coal station and coal storage pier," topography, sugar fields, the Santa Teresa Mill, wagon roads, an old railroad, and buildings. 1:5,000. Source: U.S.S. *Eagle.* (Filed as 551.23, #1 and #2)

1121. FORT AT BAHIA HONDA, NORTHWEST CUBA. 1904. 4 items.

Four page-sized floor plans and cross sections, drawn in pencil, of Fort Morillo or Fuerte de San Fernando. Large scale. Source: U.S.S. *Eagle.* (Filed as 551.23 #3)

1122. ORTIGOSA INLET (LAS CUEVAS BAY), EAST OF BAHIA HONDA, NORTHWEST CUBA. 1904. 2 items.

Smooth sheet and tracing showing hydrography of a small bay "2 1/2 miles east of the entrance to Bahia Honda." Scale of smooth sheet, 1 inch to approx. 130 yards. Source: U.S.S. *Eagle.* (Filed as 172.24, #23 and #23a)

1123. PUERTO CABANAS, NORTHWEST CUBA. 1866. 1 item.

Manuscript chart of "Cabana" harbor showing soundings, the town, a fort (apparently Fort Reina Amalia), the Agua-Ardente brewery, and other small settlements. Each building is represented by a small sketch. Scale is not shown. Source: U.S.S. *Don.* (Filed as 243.29)

1124. PUERTO CABANAS, NORTHWEST CUBA. 1904. 4 items.

Large-scale preliminary boat sheets from hydrographic survey. Source: U.S.S. *Eagle.* (Filed as 583.21, #33-#36)

1125. PUERTO CABANAS, NORTHWEST CUBA. 1904. 2 items.
Smooth survey sheet and rough compilation sheet covering the harbor and surrounding territory and showing hydrography, shoreline features, topography, swamps, dwellings in the town of Cabanas, roads, sugar mills, railroads to sugar mills, and Fort Reina Amalia at the entrance to the harbor. 1:10,000. Source: U.S.S. *Eagle.* (Filed as 583.21, #29 and #30)

1126. FORT REINA AMALIA, PUERTO CABANAS, NORTHWEST CUBA. 1904. 1 item.
Floor plan and cross section by officers of the U.S.S. *Eagle.* 1 inch to 20 feet. (Filed as 583.21, #37)

1127. HAVANA HARBOR. 1900. 1 item.
Blueprint copy of chart, originally entitled "Plano del Puerto de la Habana" and overprinted with new title, "Map showing work on the Harbor Jan. 1 1899 to June 30 1900 . . . Engineer Department. Division of Cuba. To Accompany annual report for fiscal year ending June 30, 1900." Harbor soundings, buildings, roads, and railroads are shown. Approx. 9 inches to 1 nautical mile. (Filed as 1123.10)

1128. HAVANA HARBOR, SHOWING THE WRECK OF THE U.S.S. "MAINE." 1900. 1 item.
Published plan of "Harbor of Havana From the Most Recent Spanish Surveys to 1887" (H.O. chart No. 307, dated 1893), annotated with corrections, including some relating to the position of the wreck of the *Maine* and nearby buoys. The base chart shows a plan of the city and adjacent lands, railroads, castles at entrance to the harbor, warehouses and other harbor facilities, and names of some streets. Approx. 1 inch to 1 nautical mile. (Filed as 5112.33)

1129. HAVANA HARBOR, SHOWING THE WRECK OF THE U.S.S. "MAINE." 1902. 1 item.
Blueprint outline chart showing the shoreline, harbor facilities, buoys, and the location of the wreck of the U.S.S. *Maine.* Approx. 9 inches to 1 nautical mile. Sources: U.S. ships *Topeka* and *Eagle.* (Filed as 5121.44)

1130. HAVANA HARBOR. 1902. 2 items.
Manuscript chart of the harbor, prepared in two sections as the original for published chart "H.O. 307 (New)," showing depth soundings, shore topography, and landmarks in Havana and accompanying rough hydrographic sheet showing depth soundings, triangulation points, "U.S. Floating Dry Dock," and sunken vessels. Large scale. Source: U.S.S. *Eagle.* (Filed as 133.27, #18 and #19)

1131. TRISCORNIA MILITARY RESERVATION, HAVANA HARBOR VICINITY. 1902. 1 item.
Rough topographic sheet, untitled but listed in the original Hydrographic Office shelf list as Triscornia Military Reservation, showing buildings and physical features. Large scale. Source: U.S.S. *Eagle.* (Filed as 133.27, #41)

1132. CABANAS FORTRESS, HAVANA HARBOR. 1902. 1 item.
Tracing showing plan of the fortress and surrounding terrain, including roads, topography, and the Moro Lighthouse. 1:400. Source: U.S.S. *Eagle.* (Filed as 133.27, #2)

1133. PORT MATANZAS, NORTHWEST CUBA. 1901. 1 item.
Tracing, accompanying report of December 16, 1901, of Hydrographic Office chart No. 1417, showing new geographic positions. Scale is not shown. Source: U.S.S. *Massachusetts.* (Filed as 4123.30)

1134. CARDENAS BAY, NORTHWEST CUBA. 1880. 1 item.
"Bay of Cardenas, Cuba: From soundings and observations taken by Tobias Dalling Master of Amern. Schr. *Maggie Dalling* 1880. At the instance of Thomas F. Wilson, Consul of the United States . . . Executed by Henry A. Ehninger, Civil Engineer." Tracing showing hydrography, sailing ranges, the location of the city, and the saltworks. Approx. 1 1/2 inches to 1 nautical mile. (Filed as 242.11)

1135. ENTRANCE TO CARDENAS BAY, NORTHWEST CUBA. 1905. 4 items.

Four blueprint plans and profiles, forwarded by the U.S. consul, showing channels at entrance to bay. Legends are in Spanish. Large scale. (Filed as 472.37, #1-#4)

1136. NUEVITAS HARBOR AND BAY, NORTHEAST CUBA. 1878. 1 item.

"Plano de la Bahia Y Ciudad, San Fernando de Nuevitas, Reformado 1878." Chart (a composite of three plans of the city and harbor, the port or bay of Nuevitas, and the channel at the entrance to the port) printed by Pedro Sanchez Dolz and forwarded, with annotations, in 1891 by the U.S. consul. Shown are hydrography, coastal topography, cultivated lands, and names of streets. Scales vary. (Filed as 243.7)

1137. NUEVITAS BAY, NORTHEAST CUBA. 1900. 24 items.

Preliminary worksheets from hydrographic survey—boat sheets, finishing sheets (tracings), sheet showing signals, and partial tide record. Scales vary. Source: U.S.S. *Eagle.* (Filed as 5111.22, #48, #50-#56, #58-#72, and #75)

1138. NUEVITAS BAY, NORTHEAST CUBA. 1900. 1 item.

Smooth sheet showing results of survey—hydrography, shorelines, and simplified plan of the town of Nuevitas. Inset: enlarged plan of channel at entrance to bay. 1:40,000. Source: U.S.S. *Eagle.* (Filed as 5111.22, #49)

1139. TOWN OF NUEVITAS, NORTHEAST CUBA. 1900. 1 item.

Planetable sheet showing harbor facilities and city streets (names of streets are not shown). Large scale. Source: U.S.S. *Eagle.* (Filed as 5111.22, #57)

1140. PUERTO PADRE BAY, NORTHEAST CUBA. 1900-1901. 40 items.

Preliminary worksheets from hydrographic survey—boat sheets, planetable sheets, and tracings. Scales vary. Source: U.S.S. *Vixen.* (Filed as 3123.14, #76-#100, #102-#108, and #116-#118)

1141. PUERTO PADRE BAY, NORTHEAST CUBA. 1900-1901. 3 items (6 sections).

Large smooth sheet (in two sections) and two reduced photocopies (each in two sections; titles omitted) showing extensive soundings, shoreline characteristics, placenames, a simplified plan of the town of Puerto Padre, salt flats, mudflats, an old Spanish drill ground, and part of a railroad. Scale of smooth sheet, 1 inch to approx. 800 feet (size of sheet, 8 x 8 ft.). Scale of photocopies, 1 inch to approx. 2,300 feet. Source: U.S.S. *Vixen.* (Filed as 3123.14, #74 and #74a)

1142. PUERTO PADRE BAY, NORTHEAST CUBA. 1900-1901. 2 items.

Tracing of the smooth sheet described in entry 1141 and duplicate blueprint copy, both simplified to emphasize selected soundings in the navigable waterways. Approx. 8 inches to 1 nautical mile. Source: U.S.S. *Vixen.* (Filed as 3123.14, #75 and #75a)

1143. HACIENDA SANTA BARBARA, PUERTO PADRE BAY, NORTHEAST CUBA. 1901. 1 item.

Tracing showing plan of the hacienda, property of Senor Pla Y Monge, which borders on Puerto Padre Bay, the railroad to the bay, a trail, a road, and the names of adjacent haciendas. Large scale. Source: U.S.S. *Vixen.* (Filed as 3123.14, #101)

1144. CITY OF GIBARA, NORTHEAST CUBA. 1875. 1 item.

"Plano de la Villa de Gibara en 1875 Levantado y publicado por D. Nicolas Perez Sancho." Tracing of the original map received from the U.S.S. *Eagle,* 1899, showing names of streets, piers, coastal batteries, and other information. 1:2,000. (Filed as 1122.9, #15)

1145. GIBARA HARBOR, NORTHEAST CUBA. 1898. 1 item.

Manuscript hydrographic sheet showing soundings. 1:10,000. Source: U.S.S. *Marietta.* (Filed as 2111.11, #1)

1146. GIBARA HARBOR, NORTHEAST CUBA. 1898. 1 item.

Manuscript topographic sheet showing city streets, a railroad, and shallow water areas. 1:10,000. Source: U.S.S. *Marietta.* (Filed as 2111.11, #2)

1147. GIBARA HARBOR, NORTHEAST CUBA. 1899. 6 items.

Preliminary worksheets from survey—boat sheets, tracing, hydrographic sheet replotted in the Hydrographic Office, and tidal record. Scales vary. Source: U.S.S. *Eagle.* (Filed as 1122.9, #13, #14, and #16-#19)

1148. GIBARA HARBOR, NORTHEAST CUBA. 1899. 1 item.

Smooth sheet showing results of survey—hydrography, coastal topography, simplified plan of the city, part of the Holguin and Gibara railroad, and notes on vegetation. 1:10,000. Source: U.S.S. *Eagle.* (Filed as 1122.9, #11)

1149. GIBARA AND ADJACENT COAST, NORTHEAST CUBA. 1899. 1 item.

"Point Gorda to Vita." Smooth survey sheet covering Gibara, Jururu, Bariay, and Vita Bays and showing the shoreline, a limited number of offshore soundings (most extensive at Gibara harbor), a few mountain peaks used as observation points, and the location of Gibara city. 1:40,000. Source: U.S.S. *Eagle.* (Filed as 1122.9, #12)

1150. NIPE BAY AND VICINITY, NORTHEAST CUBA. 1900-1901. 30 items.

Preliminary worksheets from hydrographic survey—triangulation and boat sheets. Scales vary. Source: U.S.S. *Yankton.* (Filed as 5111.48, #132-#161)

1151. COAST BETWEEN NIPE AND BANES BAYS, NORTHEAST CUBA. 1901. 1 item.

Smooth survey sheet showing the shoreline and soundings between the entrances of the two bays. 1:20,000. Source: U.S.S. *Yankton.* (Filed as 5111.48, #131)

1152. EASTERN AND WESTERN PARTS OF NIPE BAY, NORTHEAST CUBA. 1900-1901. 2 items.

Smooth survey sheets showing hydrography, the shoreline, wrecks of the *Jorge Juan* and the *Hernando Cortez,* limited topography, and notes on coastal vegetation. The sheets were annotated by the Hydrographic Office with colored symbols relating to later chart projections. 1:20,000. Source: U.S.S. *Yankton.* (Filed as 5111.48, #3 and #4)

1153. NIPE BAY, OUTER ENTRANCE, NORTHEAST CUBA. 1900.1901. 1 item.

Smooth sheet, "Supplementary to H.O. Chart No. 1884," showing soundings and the shoreline. 1:20,000. Source: U.S.S. *Yankton.* (Filed as 5111.48, #5)

1154. CAGIMAYA BAY VICINITY, NIPE BAY, NORTHEAST CUBA. 1900-1901. 1 item.

Smooth sheet "completing H.O. chart No. 1884" and showing soundings and the shoreline. 1:20,000. Source: U.S.S. *Yankton.* (Filed as 5111.48, #1)

1155. MAYARI RIVER VICINITY, NIPE BAY, NORTHEAST CUBA. 1900-1901. 1 item.

Smooth sheet "completing H.O. Chart No 1884" and showing soundings and the shoreline. 1:20,000. Source: U.S.S. *Yankton.* (Filed as 5111.48, #2)

1156. BERRACO POINT, NIPE BAY, NORTHEAST CUBA. 1900-1901. 1 item.

Rough sheet from a special survey of Berraco Point showing topography, buildings, trails, roads, fences, and offshore soundings. 1 inch to 200 feet. Source: U.S.S. *Yankton.* (Filed as 5111.48, #162)

1157. LIVISA AND CABONICO BAYS, NORTHEAST CUBA. 1901. 21 items.

Preliminary worksheets from survey—boat sheets, shoreline sheets, and tidal records. Scales vary. Source: U.S.S. *Yankton.* (Filed as 4121.28, #54-#58, #74-#88, and #90; accompanying report is filed as 5111.48 among the textual records.)

1158. LIVISA AND CABONICO BAY, NORTHEAST CUBA. 1901. 1 item.

Smooth survey sheet showing hydrography, limited topography, and notes on coastal vegetation. The entrance to Nipe Bay is included. 1:20,000. Source: U.S.S. *Yankton.* (Filed as 4121.28,#73; accompanying report is filed as 5111.48 among the textual records.)

1159. PENINSULA BETWEEN NIPE BAY ENTRANCE AND LIVISA BAY, NORTHEAST CUBA. 1901. 1 item.

Rough topographic sheet. 1:24,000. Source: U.S.S. *Yankton.* (Filed as 4121.28, #89; related report is filed as 5111.48 among the textual records.)

1160. BANES BAY, NORTHEAST CUBA. 1899-1900. 21 items.

Preliminary worksheets from survey—boat sheets, triangulation sheets, topographic and shoreline sheets, and tidal records. Scales vary. Source: U.S.S. *Yankton.* (Filed as 1122.26. #96-#114, #116, and #117; notes indicate that reports on the survey are filed as 5111.48 among the textual records.)

1161. BANES BAY, NORTHEAST CUBA. 1899-1900. 1 item.

Smooth survey sheet showing hydrography, topography, notes on timber and banana areas, dwellings, and part of the railroad at Port Banes. Approx. 3 inches to 1 nautical mile. Source: U.S.S. *Yankton.* (Filed as 1122.26, #115)

1162. PORT TANAMO, NORTHEAST CUBA. 1901. 32 items.

Preliminary worksheets from survey—boat sheets; topographic sheets; rough sketch chart of the bay, showing triangulation stations; and rough plotting sheet of a river. Scales vary. Source: U.S.S. *Vixen.* (Filed as 4121.39, #3, #4, and #55-#84)

1163. PORT TANAMO, NORTHEAST CUBA. 1901. 1 item.

Smooth sheet, prepared for publication as Hydrographic Office chart No. 1989, showing hydrography and topography. Penciled notations, added by the Hydrographic Office, relate to corrections from the 1930 survey by the U.S.S. *Hannibal.* 1:15,000. Source: U.S.S. *Vixen.* (Filed as 4121.39, #1)

1164. PORT TANAMO ENTRANCE, NORTHEAST CUBA. 1901. 1 item.

Smooth sheet at enlarged scale showing hydrography, topography, a village, and huts. Penciled notations, added by the Hydrographic Office, relate to corrections from the 1930 survey by the U.S.S. *Hannibal.* 1 inch to 150 yards. Source: U.S.S. *Vixen.* (Filed as 4121.39, #2)

CUBA, SOUTH COAST

1165. OBSERVATION POINTS USED IN SURVEYS, SOUTH COAST OF CUBA. 1901-2. 3 items.

Two manuscript sheets containing 13 plans of observation points and their surrounding regions, and an index map. Scales vary. Source: U.S.S. *Yankton.* (Filed as 133.19)

1166. PORT BAITIQUIRI, SOUTHEAST CUBA. 1874. 1 item.

Manuscript chart showing hydrography and the shoreline. Inset: view of entrance to harbor. 1 inch to approx. 200 yards. Source: U.S.S. *Shawmut.* (Filed as 241.16)

1167. TERRITORY BETWEEN THE EASTERN BOUNDARY OF GUANTANAMO NAVAL STATION AND THE YATERAS RIVER, SOUTHEAST CUBA. 1906-7. 15 items.

Worksheets. Most of the information shown was transferred to the smooth sheet described in entry 1168. (Filed as 581.1, #2-#16)

1168. TERRITORY BETWEEN THE EASTERN BOUNDARY OF GUANTANAMO NAVAL STATION AND THE YATERAS RIVER, SOUTHEAST CUBA. 1906-7. 1 item.

Smooth sheet from topographic survey by D. B. Reger and R. A. Kiger, under the direction of A. Acherman, commandant of the naval station. It covers an area about 5 miles inland and shows topographic contours, types of vegetation cover, roads and

trails, a telegraph line, dwellings, wells, and other features. 1:20,000. (Filed as 581.1, #1)

1169. SHOAL OFF FISHERMAN'S POINT, GUANTANAMO BAY, SOUTHEAST CUBA. 1874. 1 item.

Manuscript chart from examination of shoal, showing soundings and coastal cliffs. Approx. 4 inches to 1 nautical mile. Source: U.S.S. *Shawmut.* (Filed as 241.17)

1170. FISHERMAN'S POINT VICINITY, GUANTANAMO BAY, SOUTHEAST CUBA. 1894. 1 item.

"Guantanamo or Cumberland Harbor, Cuba." Manuscript chart from hydrographic survey, covering only the fisherman's point vicinity and showing soundings and a few coastal landmarks. Approx. 5 inches to 1 nautical mile. Source: U.S.S. *Columbia.* (Filed as 161.31)

1171. GUANTANAMO BAY, SOUTHEAST CUBA. 1899. 21 items.

Preliminary worksheets from survey—boat sheets, triangulation sheets, rough topographic sheets, tidal graphs, and rough sounding sheet of the southern half of the bay entitled "Guantanamo Naval Station." Sugar wharves, houses, railroad lines, and trails are indicated on various sheets. Large scale. Source: U.S.S. *Eagle.* (Filed as 4111.8, #46-#65 and #77)

1172. GUANTANAMO BAY, SOUTHEAST CUBA. 1899. 1 item.

Large smooth sheet of the bay, plotted in the Division of Chart Construction, Hydrographic Office, from records of the U.S.S. *Eagle* survey. Shown are hydrographic and topographic features, including the town of Caimanera and the railroad to Santa Catalina, Los Canos Plantation and the railroad to the wharf, notes on vegetation cover, and topographic contours. 1 inch to 250 meters. Approx. 8 x 6 feet. (Filed as 4111.8, #76)

1173. LIGHTHOUSE ON WINDWARD POINT, GUANTANAMO BAY, SOUTHEAST CUBA. 1899. 1 item.

Tracing showing the shoreline and the position of the lighthouse. 1:10,000. Source: U.S.S. *Eagle.* (Filed as 3111.47)

1174. GUANTANAMO NAVAL STATION BOUNDARIES AND MONUMENTS, SOUTHEAST CUBA. 1903. 2 items.

"Navy Department. United States Board Naval Station at Guantanamo, Cuba. Plan of the Station showing its boundaries, coast lines, triangulation system, and position of the monuments located." Map on tracing paper and duplicate blueprint copy containing the signatures of the president of the Cuban Commission and the senior member of the U.S. board. 1:10,000. (Filed as 171.27, #1a and #1b)

1175. COALING WHARF AT HOSPITAL CAY, GUANTANAMO NAVAL STATION, SOUTHEAST CUBA. 1905. 1 item.

Blueprint from a report by C. A. Wentworth, civil engineer, U.S. Navy, showing location of the wharf and mud and water depths. 1 inch to 100 feet. (Filed as 371.8)

1176. GUANTANAMO NAVAL STATION, SOUTHEAST CUBA. 1905. 145 items.

Preliminary worksheets from topographic survey under the command of Comdr. Charles C. Rogers, USN—triangulation diagram, approximately 40 topographic plane-table sheets, approximately 100 tracings showing unadjusted angles, and several worksheets apparently used by draftsmen in the preparation of Hydrographic Office chart No. 2358 of the naval station. Much of the information was brought together on the map described in entry 1177. Scales vary. (Filed as 171.27, #4-#146)

1177. GUANTANAMO NAVAL STATION, SOUTHEAST CUBA. 1905. 1 item (3 sections).

Map, drawn in colored inks, from a topographic survey under the command of Charles C. Rogers, USN, showing relief, vegetation cover, buildings, wharves, the target range, wagon roads, trails, fences, beacons, lighthouses, the "French cable," and other features. 1 inch to 400 feet. (Filed as 171.27, #1-#3)

1178. HICACAL BEACH BEACON, GUANTANAMO BAY, SOUTHEAST CUBA. 1905-6. 2 items.

Enclosures to correspondence from the U.S. Light-House Board—large-scale blueprint plan of the beacon and published Hydrographic Office chart annotated to show the location of the beacon and range lights. (Filed as 2113.40, #1 and #2)

1179. CITY OF SANTIAGO, SOUTHEAST CUBA. 1883. 1 item.

"Plano Topografico E Illustrado De Santiago De Cuba." Illustrated map, printed by Manuel Gimenez and received from the U.S.S. *Yantic* in 1888, showing streets, railroads, topographic features, and illustrations of important buildings. 1:6,000. (Filed as 252.15)

1180. SANTIAGO HARBOR, SOUTHEAST CUBA. 1899. 25 items.

Preliminary worksheets from survey—boat sheets, topographic planetable sheets, tidal record, and other information. Scales vary. Source: U.S.S. *Yankton.* (Filed as 3111.37, #64-#88)

1181. SANTIAGO HARBOR, SOUTHEAST CUBA. 1899. 3 items.

Smooth sheet showing the results of a hydrographic and topographic survey; second version, with annotations, prepared for publication as Hydrographic Office chart No. 1856 (preliminary number 733p); and small supplementary sheet. Topographic features indicated on the main charts include Morro Castle, coastal dwellings, and railroads. Scale of main charts, 1 inch to approx. 300 yards. Source: U.S.S. *Yankton.* (Filed as 3111.37, #89 and #90)

1182. CHIRIVICO HARBOR, SOUTHEAST CUBA. 1900. 7 items.

Preliminary worksheets from hydrographic survey—boat sheets, planetable sheet, rough compilation sheet, and tidal record. Scales vary. Source: U.S.S. *Eagle.* (Filed as 1121.47, #11-#17)

1183. CHIRIVICO HARBOR, SOUTHEAST CUBA. 1900. 2 items.

Smooth survey sheet and tracing showing hydrography, coastal topography, dwellings, the railroad to Victoria Mines, and an ore pier. Coverage includes Damas Cay (island). Corrections were added in red in 1910. 1:5,000. Source: U.S.S. *Eagle.* (Filed as 1121.47, #9 and #10)

1184. EL PORTILLO HARBOR (PORTILLO BAY), SOUTHEAST CUBA. 1889. 1 item.

Rough manuscript chart showing hydrographic features and huts along the shoreline. 1:5,000. Source: U.S.S. *Yantic.* (Filed as 242.50)

1185. ENSENADA DE MORA (PELON HARBOR), SOUTHEAST CUBA. 1902. 1 item.

Smooth sheet from hydrographic reconnaissance survey showing soundings and the shoreline. Approx. 7 inches to 1 nautical mile. Source: U.S.S. *Eagle.* (Filed as 133.6)

1186. ENSENADA DE MORA (PELON HARBOR), SOUTHEAST CUBA. 1902-3. 8 items.

Preliminary worksheets from survey—corrected copy of an earlier published chart (H.O. chart No. 2093, dated 1902), boat sheets, planetable sheet of the sugar mill area, and projection sheet showing extensive soundings. The information was brought together on the smooth sheet described in entry 1187. Scales vary. Source: U.S.S. *Eagle.* (Filed as 581.33, #1-#8)

1187. ENSENADA DE MORA (PELON HARBOR), SOUTHEAST CUBA. 1902-3. 1 item.

Smooth survey sheet, marked for publication as H.O. chart No. 2183 (replaces H.O. chart No. 2093), showing hydrographic features, the shoreline, limited topography, dwellings, and a railroad at the sugar mill. Approx. 7 inches to 1 nautical mile. Source: U.S.S. *Eagle.* (Filed as 581.33, #10)

1188. CHIRIVICO TO SANTA CRUZ DEL SUR, SOUTHEAST CUBA. 1902. 1 item.

Smooth sheet from a running survey, covering Guanacayabo Gulf and surrounding coastlines and showing shorelines, placenames, offshore islands, buoys, a few

soundings, and the wreck of the ship *Colon* near the entrance of the River Tarquino. 1 inch to approx. 4 1/2 nautical miles. Source: U.S.S. *Yankton.* (Filed as 5123.6)

1189. CAPE CRUZ–CASILDA SURVEY EXPEDITION IN VICINITY OF CAPE CRUZ AND NIQUERO BAY, SOUTHEAST CUBA. 1907-8. 8 items.

Rough shoreline and smooth hydrographic sheets, the earliest series of sheets from an extended survey that lasted until 1917. The survey included the waters along the south-central coast of Cuba, beginning at Cape Cruz. Scales range from 1:12,000 to 1:20,000. (Filed as 392.48, #1-#8)

The remaining cartographic and textual records of the survey are also in the National Archives of the United States but are not included in this list, which is limited to the period up to 1908. Card files and other finding aids are available for locating records after 1908.

1190. TARGET GROUNDS OFF CAPE CRUZ, SOUTHEAST CUBA. 1907. 14 items.

Records of a hydrographic survey—10 preliminary boat sheets; three smooth hydrographic sheets showing soundings, reefs, and islands in the vicinity of the Great Bank of Buena Esperanza and the Pitijaya Channel (#1-#3); and smooth sheet covering the approaches to Niquero Harbor, showing soundings, the shoreline, railroad wharves, and a sugar mill (#14). Scales vary. Source: U.S.S. *Eagle.* (Filed as 4113.50, #1-#14)

1191. CAPE CRUZ TO MANZANILLO, "MANZANILLO APPROACH," SOUTHEAST CUBA. 1902-3. 2 items.

Charts from a running survey of the coast—tracing showing the shoreline, coastal islands, beacons, the ship's track, settlements, and sugar mills along the coast; and sketch chart showing corrected bearings marked "incorporated into H.O. chart No. 2143." The wreck of the ship *Gloria* and two other unidentified wrecks are shown in the Manzanillo harbor vicinity. Scale of main tracing, 1 inch to approx. 1 nautical mile. Source: U.S.S. *Eagle.* (Filed as 582.40, #1 and #2)

1192. APPROACHES TO SANTA CRUZ DEL SUR, SOUTHEAST CUBA. 1886. 1 item.

Tracing of a chart by the American brig *Annie Batchelder,* forwarded by the U.S. consul in Santiago. Coverage includes Cuatro Reales Channel and approaches to Santa Cruz del Sur. Sailing directions are indicated. Scale is not shown. (Filed as 251.77, #2)

1193. SANTA CRUZ DEL SUR AND APPROACHES, SOUTHEAST CUBA. 1902. 1 item.

Published chart of Port Santa Cruz del Sur and adjacent islands and channels (H.O. chart No. 1523, dated 1896 and annotated to show buoys and channels), with attached notes on approaches to Cuatro Reales Channel. Also attached are two photographs of Carapacho Cay and Ceiba Cay. 1 inch to approx. 1 nautical mile. Source: U.S.S. *Yankton.* (Filed as 5123.12)

1194. SANTA CRUZ DEL SUR AND APPROACHES, SOUTHEAST CUBA. 1902-3. 44 items.

Worksheets, including a tracing showing soundings between Cuatro Reales Channel and Santa Cruz del Sur, a tracing showing Cuatro Reales and Uvero Channels and a copy of published H.O. chart No. 1523 on which it was to have been superimposed, a triangulation sheet, boat sheets, ship sheets, and rough plotting sheets. The information was brought together on the smooth sheet described in entry 1195. Scales vary. Source: U.S.S. *Yankton.* (Filed as 382.12, #1-#3, #10-#43a, and #59-#66)

1195. SANTA CRUZ DEL SUR AND APPROACHES, SOUTHEAST CUBA. 1902-3. 1 item (6 sections).

Large smooth sheet covering Cuatro Reales Channel, Mordazo Cays, and adjacent waters and showing hydrography, islands, and a few topographic features in the vicinity of Santa Cruz. Approx. 4 1/2 inches to 1 nautical mile. Source: U.S.S. *Yankton.* (Filed as 382.12, #4-#9)

1196. JUCARO ANCHORAGE, SOUTH-CENTRAL CUBA. 1902. 2 items.

Published chart of Jucaro Anchorage (H.O. chart No. 1337, based on Spanish surveys of 1891 and annotated with corrections), and revised manuscript chart, based on a reconnaissance survey by the U.S.S. *Yankton,* to replace the obsolete published version. Both charts show major buildings, the pier at Jucaro, and offshore soundings and islands. The new manuscript chart is marked for publication as H.O. chart No. 2083 (also preliminary number 998p). Scale of early chart, approx. 1 inch to 1 nautical mile; of revised chart, 1 inch to approx. 800 yards. Source: U.S.S. *Yankton.* (Filed as 5122.49, #1 and #2)

1197. PICKLE BANK, SOUTH OF CUBA. 1874. 1 item.

Large-scale manuscript chart showing soundings and track. Source: U.S.S. *Shawmut.* (Filed as 241.18)

1198. SHOALS OFF SOUTH-CENTRAL CUBA FROM CASILDA TO BOCA GRANDE. 1882. 1 item.

Tracing, forwarded by the U.S. consulate at Cienfuegos in an effort to forestall continuing shipwrecks in the vicinity of Cayo Breton, showing shoals, soundings, and shorelines. 1 inch to approx. 2 nautical miles. (Filed as 242.13)

1199. JUCARO TO CIENFUEGOS ENTRANCE. 1902. 1 item.

Chart from a running survey, which includes offshore islands to Caballones Channel and Pilot Point and shows the shoreline, a few soundings, buoys, and interior mountain peaks used as observation points. 1 inch to approx. 4 1/2 nautical miles. Source: U.S.S. *Yankton.* (Filed as 5123.5)

1200. CIENFUEGOS HARBOR, SOUTH-CENTRAL CUBA. 1847. 1 item.

"Puerto de Cienfuegos o de Jagua pr. el capn. de Fragta. D. F. Bouyon y el Capn. Ingro. D. A. Lanier 1847." Blueprint copy of original chart, "traced in the Office of Col. D. D. Gaillard, 3rd U.S.V. Engrs . . . Dept. of Santa Clara Mar. 1st 1899 . . . ," showing soundings, landmarks, and local place-names and annotated with additional bearings. Approx. 1 1/4 inches to 1 nautical mile. (Filed as 2113.30, #1)

1201. CIENFUEGOS BAY, SOUTH-CENTRAL CUBA. 1847. 1 item.

"Puerto de Cienfuegos o de Jagua pr. el capn. de Fragta. D. F. Bouyon y el Capn. Ingro. D. A. Lanier 1847." Tracing of original chart, received from the U.S.S. *Yankton* in 1902, showing soundings, landmarks, and local place-names. Approx. 1 1/4 inches to 1 nautical mile. (Filed as 5122.21, #89)

1202. CIENFUEGOS HARBOR, SOUTH-CENTRAL CUBA. 1899. 1 item.

"Cienfuegos Harbor, Cuba Surveyed under the Direction of Major J. L. Van Ornum Commanding Second Battalion of Third U.S.V. Engineers. Hydrographic Survey by Captain L. F. Bellinger . . . March 1899." Blueprint copy marked "Examined and Approved, D. D. Gaillard Colonel, 3rd U.S.V. Engrs . . . Province of Santa Clara," annotated in the Hydrographic Office with a grid pattern, and apparently used in the construction of a Hydrographic Office chart. Shown are soundings, names of adjacent streets, and a list of borings made. 1 inch to 400 feet. (Filed as 2113.30, #2)

1203. CIENFUEGOS HARBOR, SOUTH-CENTRAL CUBA. 1901. 2 items.

Two copies of published Hydrographic Office chart No. 521, "Cienfuegos or Port Xagua," dated 1899 and annotated in 1901 to show beacon corrections. The base charts contain inset landscape views of the approach to the port and the castle of Santa Angeles de Xagua. Approx. 2 inches to 1 nautical mile. Source: U.S.S. *Eagle.* (Filed as 2121.13, #3 and #4)

1204. CIENFUEGOS HARBOR AND BAY, SOUTH-CENTRAL CUBA. 1902. 21 items.

Large-scale preliminary boat sheets from survey. The information was brought together on the charts described in entries 1205-1207. Source: U.S.S. *Eagle.* (Filed as 5122.21, #66-#86)

1205. CIENFUEGOS BAY, SOUTH-CENTRAL CUBA. 1902. 2 items.

Smooth sheet and rough compilation sheet covering the entire bay and showing hydrography, the shoreline, and a simplified plan of the city of Cienfuegos. Approx. 5 inches to 1 nautical mile. Source: U.S.S. *Eagle.* (Filed as 5122.21, #63 and #88)

1206. ENTRANCE TO CIENFUEGOS BAY, SOUTH-CENTRAL CUBA. 1902. 2 items.

Smooth sheet and rough compilation sheet covering the channel between the bay and the open sea and showing hydrography, a few settlements, a castle, and other landmarks along the shore. 1 inch to approx. 140 yards. Source: U.S.S. *Eagle.* (Filed as 5122.21, #64 and #87)

1207. CIENFUEGOS HARBOR, SOUTH-CENTRAL CUBA. 1902. 2 items.

Smooth sheet and rough plotting sheet covering the inner harbor and showing soundings, the street pattern of the city (streets not named), the customhouse, and the railroad. 1 inch to 400 feet. Source: U.S.S. *Eagle.* (Filed as 5122.21, #61 and #62)

1208. TELEGRAPH CABLES FROM BATABANOS TOWARD CIENFUEGOS, SOUTHWEST CUBA. 1889. 1 item.

"Cuba Submarine Telegraph Compy. Batabano Cienfuegos Cable. Soundings Taken by Schooner *San Pedro* in November and December 1889. No. 2." Tracing, annotated "Batabano-Cienfuegos Cable shown in red, laid 19th January 1891. 1870 Cable Shown in black," and received in Hydrographic Office archives in 1901. Only part of the cable is covered; the Cienfuegos vicinity is omitted. 1 inch to approx. 2 nautical miles. (Filed as 4121.6)

1209. COCHINOS BAY, SOUTHWEST CUBA. 1907. 3 items.

Manuscript charts from a hydrographic survey by Walter D. Wilcox—general chart of the entire bay and two enlarged charts of the inlets of Caleta Rosario and Caleta Avalo showing soundings and the shoreline. Scale of main chart, approx. 1 1/2 inches to 1 nautical mile. (Filed as 593.19)

1210. JARDINILLOS (JARDINES) BANK. 1902. 1 item.

Manuscript chart from a running survey, covering an area from East Guano Cay to Dry Shingle Reef, east of the Isle of Pines, and showing islands and shoals. 1 inch to approx. 5 nautical miles. Source: U.S.S. *Yankton.* (Filed as 5121.7)

1211. SOUTHWEST COAST OF CUBA FROM MANGLE POINT TO JARDINILLOS BANK, INCLUDING ISLE OF PINES. 1901. 2 items.

"Croquis de la Costa Sur De la Isla De Cuba entre Pta. De la Llana o Del Mangle y Diego Perez . . . ." Two rough copies of an original 1901 chart, forwarded by the U.S.S. *Vixen* in 1904, showing soundings and placenames. Approx. 1 inch to 15 miles. (Filed as 2121.13, #1 and #2)

1212. ANCHORAGE OFF CAPE CORRIENTES, CORRIENTES BAY, SOUTHWEST CUBA. 1901. 3 items.

Manuscript chart of an anchorage off Cape Corrientes, marked for publication as Hydrographic Office chart No. 2057; published chart of western Cuba (H.O. chart No. 947, dated 1901), annotated to show an observation point at Cape Corrientes; and photograph of the shoreline taken from the anchorage. Scale of manuscript chart, 1:10,000. Source: U.S.S. *Yankton.* (Filed as 4123.42)

JAMAICA

1213. PORT ROYAL AND KINGSTON HARBORS. 1891. 1 item.

Published chart of Port Royal and Kingston harbors (H.O. chart No. 348, dated 1891), annotated by R. P. Bigelow with corrections relating to the shoreline and settlements. Approx. 2 1/2 inches to 1 nautical mile. (Filed as 241.73)

1214. PORT ROYAL AND KINGSTON HARBORS AND SHIP CHANNEL. 1903. 1 item.

Tracing. Inset, "Ship Channel," is marked in red ink to show additional data and corrections to navigational aids and dangers. References to two sunken ships near Kingston, the *Waldeman* and the *Princess*

Irene, are included. Approx. 2 1/2 inches to 1 nautical mile. Source: U.S.S. *Alliance.* (Filed as 563.26, #1)

1215. SOUTH COAST OF JAMAICA CABLE DAMAGE. 1907. 1 item.
Blueprint chart, forwarded by Mr. H. Benest and the Branch Hydrographic Office at New Orleans, covering the coast of Jamaica from Port Royal to Morant Point and showing the "approximate area over which earthquake disturbance of January 1907 affected cable, from data furnished as to depths found during repair." Dotted line indicates repair to Turks Island cable. Scale is not shown. (Filed as 563.26, #2)

1216. PORT ANTONIO HARBOR. 1904. 1 item.
"Sketch chart showing Waterfront, West Harbor, and Wharves from an examination by Lt. C. T. Jewell, U.S.N. Navigator . . . ." 1 inch to approx. 60 yards. Source: U.S.S. *Mayflower.* (Filed as 571.9a)

HISPANIOLA

(See also Haiti and Dominican Republic.)

1217. NORTH COAST OF HISPANIOLA. 1905-6. 39 items.
Preliminary worksheets from hydrographic surveys--boat sheets, topographic planetable sheets, sketch charts of the shoreline, tracings, and sounding sheets plotted in the Division of Chart Construction, Hydrographic Office, from the survey records of the U.S.S. *Eagle.* The information was brought together on the smooth sheets described in entry 1218. Scales vary. (Filed as 352.42a, #29-#56 [north coast]; 352.43, #29-#38 [northeast coast])

1218. NORTH COAST OF HISPANIOLA. 1905-6. 4 items.
Smooth sheets showing the results of hydrographic and topographic surveys of the U.S.S. *Eagle.* 1 inch to 2 nautical miles. (Filed as 352.42, #25 and #26 [northeast coast]; 352.42a, #26 [north-central coast]; 352.42a, #27 [northwest coast])

HAITI

1219. AQUIN BAY, SOUTH COAST OF HAITI. 1874. 1 item.
Part of an early published Hydrographic Office chart covering Aquin Bay, annotated to show soundings, shoreline corrections, and sailing directions. The base chart, copied from a French survey and annotated "No. 5," shows hydrographic features, a few dwellings, a road, and coastal topography. 1 inch to approx. 1 nautical mile. Source: U.S.S. *Kansas.* (Filed as 241.42, #6)

1220. ST. LOUIS AND MESTE BAYS, SOUTH COAST OF HAITI. 1874. 1 item.
Part of a published chart, in French (possibly an early Hydrographic Office chart copied from a French survey), annotated with corrections. The base chart, annotated "No. 3," shows hydrographic features, topography, and settlements, including St. Louis and Fort St. Louis. 1 inch to approx. 1 nautical mile. Source: U.S.S. *Kansas.* (Filed as 241.42, #4)

1221. SOUNDINGS IN VICINITY OF NAVASSA ISLAND, WEST OF HAITI. 1904. 1 item.
Tracing showing outline of the island and "old" and "new" soundings. Approx. 6 inches to 1 nautical mile. Source: U.S.S. *Dixie.* (Filed as 562.66)

1222. JEREMIE BAY, SOUTHWEST COAST OF HAITI. 1904. 1 item.
Rough sounding sheet. Scale is not shown. Sources: U.S. ships *Newark* and *Denver.* (Filed as 562.51)

1223. CAYEMITES AND BARADAIRES BAYS, WEST COAST OF HAITI. 1874. 1 item.
Part of an early edition of published Hydrographic Office chart No. 378, with placenames in French (apparently copied from a French survey), annotated to show soundings and shoreline corrections and marked "No. 4." 1 inch to approx. 2 nautical miles. Source: U.S.S. *Kansas.* (Filed as 241.42, #5)

1224. CAYEMITES BAY, WEST COAST OF HAITI. 1901. 3 items.

Records, apparently relating to a survey to correct the existing chart of Cayemites Bay—part of a published Hydrographic Office chart, tracing, and duplicate blueprint with annotations. Soundings and the shoreline are shown. Scales vary. Source: U.S.S. *Scorpion.* (Filed as 4121.43, #1-#3)

1225. MIRAGOANE HARBOR, WEST COAST OF HAITI. 1868. 1 item.

Small manuscript chart from a hydrographic reconnaissance. Scale is not shown. Source: U.S.S. *Penobscot.* (Filed as 251.26, #1)

1226. PORT-AU-PRINCE BAY, WEST COAST OF HAITI. 1868. 1 item.

Manuscript chart showing soundings taken during a search for a shoal reportedly located west of the Arcadin Islands. Approx. 2 inches to 1 nautical mile. Source: U.S.S. *Penobscot.* (Filed as 251.26, #2)

1227. PORT-AU-PRINCE HARBOR AND BAY, WEST COAST OF HAITI. 1868. 1 item.

Manuscript chart showing hydrography and the location of the city. Notes in red ink show "errors of the old chart." Landmarks, including the President's Place and Fort Alexander, are also indicated. Approx. 1:36,000. Source: U.S.S. *Penobscot.* (Filed as 251.26, #3)

1228. PORT-AU-PRINCE HARBOR AND BAY, WEST COAST OF HAITI. 1887. 1 item.

Published chart of "Approaches to Port Au Prince" (H.O. chart No. 1015, dated 1887), annotated with notes on the lighthouse and buoys and "Vandalia Rock. This rock does exist, and if I am not mistaken, the U.S.S. *Vandalia* struck it, about 4 hours ago." 1 inch to approx. 2 nautical miles. (Filed as 252.86)

1229. PORT-AU-PRINCE, WEST COAST OF HAITI. 1892. 3 items.

Letter with two enclosures from the Branch Hydrographic Office at New York. The enclosures are a sketch chart of soundings made by the Dutch vessel SS *Prins Willem I* and a published chart of Port-au-Prince harbor (H.O. chart No. 1012, dated 1892) annotated to show changes in buoys. Scales vary. (Filed as 572.51)

1230. TORTUGA ISLAND, NORTH COAST OF HAITI. 1865. 1 item.

Tracing of an 1860-61 French chart originally entitled "Carte Topographique de La Tortue . . . ." and annotated with a new title, "Tracing of a recent survey of the Island of Tortuga, north of Hayti, forwarded to B. of Nav. by Capt. W. M. Walker of U.S.S. *De Soto*" (1865). Shown are topography, extensive place-names, anchorages, and descriptive notes in French. 1 inch to approx. 1 nautical mile. (Filed as 243.32)

1231. WATERS BETWEEN TORTUGA ISLAND AND NORTH COAST OF HAITI. 1908. 1 item.

Tracing showing soundings south of "La Tortue" Island. Approx. 1 1/2 inches to 1 nautical mile. Source: French cable steamer *Pouyer Quertier.* (Filed as 531.22; bears the number 10199/952, indicating that it was formerly filed in the 1908-24 chart series.)

1232. CAP-HAITIEN HARBOR, NORTH COAST OF HAITI. 1902. 1 item.

Manuscript chart from a resurvey of the main ship channel. 1 inch to approx. 55 yards. Source: U.S.S. *Machias.* (Filed as 133.45)

1233. FORT LIBERTE BAY, NORTH COAST OF HAITI. 1905. 1 item (4 sections).

Manuscript chart of bay, showing soundings, the shoreline, boat landings, salt marshes, and a simplified plan of the town of Fort Liberte. 1 inch to 200 yards. Source: U.S.S. *Des Moines.* (Filed as 3102.39, #1-#4)

1234. FORT LIBERTE BAY, NORTH COAST OF HAITI. 1905. 1 item (3 sections).

Manuscript chart of bay, containing verbal descriptions of part of the coastline as seen from aboard ship and showing vegetation

cover, abandoned forts, types of beaches, scales for weighing logs, and other features. 1 inch to 200 yards. Source: U.S.S. *Des Moines.* (Filed as 3102.39, #5-#7)

1235. OVERLAND ROUTE FROM FORT LIBERTE TO JUANA MENDEZ, NORTHEAST HAITI. 1905. 3 items.
Manuscript map by Lt. E. B. Miller, USMC, showing roads, cultivated fields, settlements, lakes, vegetation cover, and the Massacre River (boundary with Dominican Republic); a legend; and a three-page report on conditions encountered on the trip accompany the map. Scale of map, approx. 1 1/2 inches to 1 nautical mile. (Filed as 3102.39, supplementary map)

DOMINICAN REPUBLIC

1236. MANZANILLO BAY. 1871. 1 item.
Manuscript chart showing hydrography and shoreline features. Approx. 4 inches to 1 nautical mile. Source: U.S.S. *Congress.* (Filed as 241.34)

1237. MILITARY LANDING PLACES AT MANZANILLO BAY. 1903. 1 item.
Published chart of Manzanillo Bay (H.O. chart No. 1210, dated 1890), annotated with descriptions of possible landing places for military operations. Approx. 4 inches to 1 nautical mile. Source: U.S.S. *Atlanta.* (Filed as 542.41)

1238. MANZANILLO BAY AND APPROACHES TO TOWN OF COPEY. 1905. 8 items.
Manuscript charts and tracings showing soundings in Manzanillo Bay and overland routes to the town of Copey. One item is a roadmap showing vegetation cover and houses along the route to Copey; another is a map entitled "Approaches to Copey," showing woods with trails, landings for hauling out logwood, and an old railroad route to Port Alta. Scales vary. Sources: U.S. ships *Denver* and *Nashville.* (Filed as 2101.24, #1-#8)

1239. LIVERPOOL AND PHAETON SHOALS, VICINITY OF MONTE CRISTI. 1874. 1 item.
Manuscript chart showing shoals and nearby Point Granja. Inset: view of Granja Point from offshore. Approx. 2 inches to 1 nautical mile. Source: U.S.S. *Kansas.* (Filed as 241.42, #3)

1240. MONTE CRISTI HARBOR. 1904. 2 items.
Original sounding chart and smaller scale chart replotted in the Division of Chart Construction, Hydrographic Office. Soundings and locations of the pier and customhouse are indicated. Scale of original chart, 1 inch to 100 yards. Source: U.S.S. *Bancroft.* (Filed as 562.74)

1241. MONTE CRISTI HARBOR. 1905. 1 item.
Tracing showing soundings and the location of the city. Approx. 3 1/2 inches to 1 nautical mile. Source: U.S.S. *Nashville.* (Filed as 2101.24, #9)

1242. CITY OF MONTE CRISTI. Ca. 1905. 1 item.
Blueprint plan of city "from information furnished by Lt. Comdr. E. F. Leiper, U.S.N." Shown are streets and names of buildings and some residents. Scale is not shown. Source: U.S.S. *Nashville.* (Filed as 2101.24, #10)

1243. MONTE CRISTI LANDING. 1905. 1 item.
Manuscript plan of the landing, including a pier, a warehouse, a customhouse, saltpans, a canal, and the proposed breastworks. 1 inch to 50 yards. Source: U.S.S. *Nashville.* (Filed as 2101.24, #14)

1244. MONTE CRISTI, DABAJON, AND COPEY REGION. 1905. 2 items.
Manuscript maps, drawn by U.S. Marine Corps officers and accompanied by typed memorandums of intelligence information about military roads, the population, and the local administration. The maps show transportation routes, vegetation, settlements, ranches, and a 1903 battlefield. Scales vary. Source: U.S.S. *Nashville.* (Filed as 2101.24, #11 and #12)

1245. MONTE CRISTI BAY AND APPROACHES. 1905. 8 items.
Preliminary worksheets from hydrographic survey—boat sheets from a survey by the U.S.S. *Castine* and tracings showing additional soundings acquired by the U.S. ships

Newark and *Denver*. Scales vary. (Filed as 193.10, #3-#10)

1246. APPROACHES TO MONTE CRISTI BAY. 1905. 1 item (3 sections).
Smooth survey sheet showing hydrography only. Approx. 2 1/2 inches to 1 nautical mile. Source: U.S.S. *Castine*. (Filed as 193.10, #1 and #2)

1247. APPROACHES TO MONTE CRISTI. 1905. 1 item.
Hydrographic sounding sheet replotted in the Division of Chart Construction, Hydrographic Office. Coverage includes the shoreline of Manzanillo Bay and Fort Liberte Bay in Haiti. Approx. 2 inches to 1 nautical mile. Sources: U.S. ships *Castine*, *Newark*, and *Denver*. (Filed as 193.10, #10b)

1248. MONTE CRISTI BAY. 1905. 1 item.
Hydrographic sounding sheet replotted in the Division of Chart Construction, Hydrographic Office. Large scale. Sources: U.S. ships *Castine*, *Newark*, and *Denver*. (Filed as 193.10, #10a)

1249. MONTE CRISTI BANK. 1906. 1 item.
Smooth survey sheet showing the coastline and offshore soundings in the vicinity of Monte Cristi. 1 inch to 1 nautical mile. Source: U.S.S. *Eagle*. (Filed as 352.42a, #28)

1250. COAST EAST OF MONTE CRISTI. 1905. 1 item.
Sketch map by Lieutenant Jewell, showing offshore breakers, the village of Petit Saline, mills, and cultivated land. Approx. 2 inches to 1 nautical mile. Source: U.S.S. *Nashville*. (Filed as 2101.24, #15)

1251. PUERTO PLATA. 1888. 1 item.
Published chart of "Port Plata" (H.O. chart No. 959, dated 1885), annotated by the U.S. consul to show a shipwreck and a dangerous rock. The base chart shows hydrography, topography, a "new pier," and forts. Inset: view of the harbor. Approx. 7 inches to 1 nautical mile. (Filed 253.76)

1252. PUERTO PLATA AND SANTIAGO REGION. 1906. 1 item.
"Military Map of the region between Puerto Plata and Santiago, D.R. traversed by the Central Dominican R.R." Blueprint copy showing roads, topography, and placenames, with notes on railroad transportation and construction. 1 inch to approx. 1 nautical mile. Source: U.S.S. *Nashville*. (Filed as 2101.24, #13)

1253. SANTA BARBARA HARBOR, NORTH SHORE OF SAMANA BAY. 1870. 1 item.
Manuscript chart of Santa Barbara Harbor, apparently known as "Samana Bay" when the chart was compiled, showing soundings, coastal topography, buildings in the town, and Fort Santa Barbara. Approx. 10 inches to 1 nautical mile. Source: U.S.S. *Dictator*. (Filed as 243.37, #1)

1254. NORTHERN PART OF SAMANA BAY FROM BALANDRA HEAD TO SANTA BARBARA HARBOR. 1870. 1 item.
Manuscript chart (covering only a part of the bay and based largely on a French chart of 1847) prepared by S. C. Plummer, surveyor of the Samana Bay Co., for the U.S. Navy. Shown are soundings, local topography, and the city of Santa Barbara. Insets: plans of Fort Cacoa and Levantados Island and color illustration of the flag of the "Free Port of Samana." Approx. 4 inches to 1 nautical mile. Source: U.S.S. *Dictator*. (Filed as 243.37, #2)

1255. NORTHERN PART OF SAMANA BAY FROM BALANDRA HEAD TO SANTA BARBARA HARBOR. 1870. 1 item.
Tracing, made in 1882, of chart described in entry 1254. Source: U.S.S. *Despatch*. (Filed as 242.23, #32-A)

1256. SHOAL AT ENTRANCE TO SAMANA BAY. 1873. 1 item.
Manuscript chart showing soundings. 1 inch to approx. 2 1/2 nautical miles. Source: U.S.S. *Richmond*. (Filed as 243.34)

1257. SANTA BARBARA HARBOR, NORTH SHORE OF SAMANA BAY. 1874. 2 items.
Manuscript chart and tracing showing hydrography, topography, and a simplified

plan of the town. 1 inch to 100 yards. Source: U.S.S. *Ossipee.* (Filed as 243.38, #1 and #4)

1258. NORTHERN PART OF SAMANA BAY FROM BALANDRA HEAD TO SANTA BARBARA HARBOR. 1874. 2 items.
Manuscript chart and tracing showing hydrography and topography. 1 inch to approx. 400 yards. Source: U.S.S. *Ossipee.* (Filed as 243.38, #2 and #3)

1259. SANTA BARBARA HARBOR, NORTH SHORE OF SAMANA BAY. 1874. 1 item.
Manuscript chart showing hydrography, topography, buildings, and a coal station. Approx 7 inches to 1 nautical mile. Source: U.S.S. *Canandaigua.* (Filed as 241.22)

1260. SAMANA BAY. 1882. 102 items.
Preliminary worksheets from survey—triangulation sheets, boat sheets, shoreline sheets, rough plotting sheets, and tracings. The information was brought together on the charts described in entries 1261 through 1263. Scales vary. Source: U.S.S. *Despatch.* (Filed as 242.33, #1-#23, #25-#31, #33, #34, and #44-#46)

1261. SAMANA BAY. 1882. 2 items.
"Bay and Gulf of Samana, from British and French Authorities." Rough manuscript chart and tracing showing hydrography and topography. Details of soundings and coastal features are shown only at Santa Barbara Harbor, on the north shore, and at San Lorenzo Bay, on the south shore. 1 inch to approx. 1 nautical mile. Source: U.S.S. *Despatch.* (Filed as 242.23, #24 and #32)

1262. SAMANA BAY HYDROGRAPHY. 1882. 1 item (5 sections).
Smooth hydrographic sheet showing soundings and the shoreline. Insets: plans of the adjacent Yuna and Barracota Rivers. Approx. 5 inches to 1 nautical mile. Source: U.S.S. *Despatch.* (Filed as 242.23, #36-#40)

1263. SAMANA BAY TOPOGRAPHY. 1882. 1 item (2 sections).
Smooth topographic sheet showing physical features, settlements, and cultivated fields. Approx. 2 1/2 inches to 1 nautical mile. Source: U.S.S. *Despatch.* (Filed as 242.23, #35a and #35b)

1264. SAN LORENZO BAY, SOUTH SHORE OF SAMANA BAY. 1882. 1 item.
Smooth hydrographic sheet showing soundings and the shoreline. Approx. 10 inches to 1 nautical mile. Source: U.S.S. *Despatch.* (Filed as 242.23, #41)

1265. SANTA BARBARA HARBOR HYDROGRAPHY, SAMANA BAY. 1882. 1 item.
Smooth hydrographic sheet showing soundings and the shoreline. Approx. 15 inches to 1 nautical mile. Source: U.S.S. *Despatch.* (Filed as 242.23, #42)

1266. SANTA BARBARA HARBOR TOPOGRAPHY, SAMANA BAY. 1882. 1 item.
Smooth topographic sheet showing physical features, cultivated fields, a simplified plan of the town, and adjacent Bahia de Clara. Approx. 15 inches to 1 nautical mile. Source: U.S.S. *Despatch.* (Filed as 242.23, #43)

1267. SAMANA BAY PROFILES. 1882. 10 items.
Ten sheets of rough, pencil landscape sketches. Several sketches are on each sheet; some are incomplete. Source: U.S.S. *Despatch.* (Filed as 242.23, #47)

1268. BANK IN MONA PASSAGE. 1902. 1 item.
Smooth sheet of soundings in vicinity of bank in Mona Passage between Point Engano and Point Espada. 1 inch to 2 nautical miles. Source: U.S.S. *Dolphin.* (Filed as 5122.10, #49)

1269. CHANNEL NORTH OF SAONA ISLAND. 1901. 1 item.
"A Running Survey of Saona Island Thoroughfare with Catuana Pass and Catalinita Pass." Blueprint chart, annotated in red to show new shorelines. 1 inch to approx. 1 1/4 nautical miles. Source: U.S.S. *Machias.* (Filed as 4123.37)

1270. SAN PEDRO DE MACORIS HARBOR. 1895. 1 item.
"Plan de la Rade De San Pedro de Macoris. Cote Sud de St. Dominique. 1895." Blueprint copy of a French chart showing hydrography and a few coastal landmarks, including names of individual buildings. 1:5,000. (Filed as 1102.38)

1271. SAN PEDRO DE MACORIS HARBOR. 1900. 1 item.
Published chart (H.O. chart No. 1537, dated 1900), annotated by the captain of the "Tug *Eagle* of San Pedro de Macoris" to show soundings and channel. 1 inch to 200 yards. (Filed as 5112.43)

1272. SAN PEDRO DE MACORIS HARBOR. 1903-4. 1 item.
Blueprint chart of part of the harbor, from a 1903 survey by James W. Reed, civil engineer, showing soundings and navigation aids. Additions were made during a voyage of the U.S.S. *Columbia* in 1904. 1 inch to 200 feet. (Filed as 163.7)

1273. SAN PEDRO DE MACORIS HARBOR. 1905. 1 item.
Tracing of harbor plan, marked "Copy of old chart used in [survey] work," showing hydrographic information and a few coastal landmarks, including names of some buildings. Annotations show corrections and additions to old chart. 1 inch to 200 yards. Source: U.S.S. *Des Moines.* (Filed as 583.8, #1)

1274. SAN PEDRO DE MACORIS HARBOR. 1905. 1 item.
Smooth sheet from survey showing hydrographic information and a few coastal landmarks, including names of buildings. 1 inch to 200 yards. Source: U.S.S. *Des Moines.* (Filed as 583.8, #2)

1275. SANTO DOMINGO CITY. 1882. 1 item.
"Plano de la Ciudad de Santo Domingo . . . 1882." Printed map, annotated with notes and place-names in Spanish and the stamp of the civil engineer of Santo Domingo and forwarded by the U.S. consul in 1885. Names of streets and individual buildings are shown. Large scale. (Filed as 251.48, #2)

1276. SANTO DOMINGO HARBOR. 1889. 1 item.
Published chart of Santo Domingo Harbor (H.O. chart No. 914, dated 1889), annotated to show new iron bridge, the construction line of the San Domingo Shoreline Railroad, and a railroad station. Source of corrections is unknown. (Filed as 243.78)

1277. SANTO DOMINGO CITY. 1905. 1 item.
"Plano de la Ciudad y Contornos de Santo Domingo." Printed map, dated 1900 and annotated during a voyage of the U.S.S. *Castine* in 1905, showing the names of estancia owners, keyed to a list of 54 important buildings and places. 1:3,000. (Filed as 281.50, #7)

1278. SANTO DOMINGO HARBOR. 1905. 2 items.
Smooth sheet and rough plotting sheet showing soundings. 1 inch to 524 feet. Source: U.S.S. *Castine.* (Filed as 281.50, #5 and #8)

1279. OZAMA RIVER (SANTO DOMINGO). 1905. 2 items.
Smooth sheet and rough plotting sheet showing soundings in the lower part of the river adjacent to Santo Domingo City. 1 inch to 160 feet. Source: U.S.S. *Castine.* (Filed as 281.50, #6 and #9)

1280. CALDERA BAY. 1870. 2 items.
Smooth sheet and rough compilation sheet from survey. Hydrography is shown on both sheets; coast topography is shown only on the rough sheet (#1). Insets on both sheets show landscape views of the four sides of the bay from the anchorage. Approx. 6 inches to 1 nautical mile. Source: U.S.S. *Nantasket.* (Filed as 241.44, #1 and #2)

1281. CALDERA BAY. 1871. 1 item.
Published chart of Caldera Bay (H.O. chart No. 308), based on the 1870 survey by the U.S.S. *Nantasket* (see entry 1280) and annotated by the Hydrographic Office with

a grid pattern and with depth corrections. (Views shown on original survey sheets do not appear on this published chart.) Approx. 6 inches to 1 nautical mile. (Filed as 241.44, #3)

1282. CALDERA BAY. 1887. 1 item.
Manuscript sheet replotted by draftsman A. Klakring of the Division of Chart Construction, Hydrographic Office, apparently from field records of the 1870 survey by the U.S.S. *Nantasket* (see entry 1280). Soundings, the shoreline, and unfinished topography are indicated. Scale is not shown. (Filed as 241.44, #4)

1283. PUERTO VIEJO DE AZUA. 1905. 1 item.
Manuscript chart, submitted as part of a report on a hydrographic reconnaissance, showing soundings and shoreline features. Approx. 10 inches to 1 nautical mile. Source: U.S.S. *Denver.* (Filed as 5121.38)

1284. BARAHONA HARBOR. 1906. 1 item.
Manuscript sketch chart showing hydrography, offshore islands, the shoreline, a lumber company warehouse, and wooded areas. Approx. 15 inches to 1 nautical mile. Source: U.S.S. *Dubuque.* (Filed as 571.64, miscellaneous enclosure)

1285. BARAHONA HARBOR. 1906. 6 items.
Preliminary worksheets from survey—boat sheets and tracings showing triangulation stations and soundings. Scales vary. Source: U.S.S. *Don Juan de Austria.* (Filed as 571.64, #2-#6 and #11)

1286. BARAHONA HARBOR. 1906. 2 items.
Manuscript chart with penciled corrections and a similar chart replotted for publication as H.O. chart No. 2380 by the Division of Chart Construction, Hydrographic Office. Both versions show shoreline features; triangulation stations; and prominent buildings near the shore, including a distillery, a lumber company warehouse, a customhouse, and a church. 1 inch to approx. 350 feet. Source: U.S.S. *Don Juan de Austria.* (Filed as 571.64, #1 and #6a)

PUERTO RICO

1287. SAN JUAN HARBOR. 1899. 1 item.
Published chart of San Juan harbor and city (H.O. chart No. 1317, dated 1896), annotated to show new buoys. The base chart shows hydrography, coast topography, and names of prominent buildings and roads. Approx. 8 inches to 1 nautical mile. Source: U.S.S. *Sterling.* (Filed as 2112.29)

1288. SAN JUAN HARBOR. 1905-6. 1 item.
Blueprint copy of a chart, received from the U.S. naval station at San Juan, showing areas of proposed dredging to 1905. Additional annotations show changes to February 1906. 1 inch to approx. 800 feet. (Filed as 4123.17)

1289. ARROYA BAY, SOUTH COAST OF PUERTO RICO. 1898. 1 item.
Sketch chart (tracing) of Arroya Bay, marked "The unexpected departure of the *Cincinnati* prevented proposed Hydrographic Work," showing a few soundings and such landmarks as the cathedral dome of the village of Guayama, sugar mill chimneys, "Hartman & Co.," and the British consulate in the town of Arroya. Approx. 3 inches to 1 nautical mile. Source: U.S.S. *Cincinnati.* (Filed as 1112.18)

1290. PORT AMERICA, SOUTH COAST OF PUERTO RICO. 1899. 1 item.
Blueprint copy of chart originally entitled "Itinerario de la Costa Comprendida entre Guayama Y Salinas" and then overprinted with the War Department title "Port America." The copy, annotated with a grid pattern by the Hydrographic Office, shows the city of Guayama, topography, roads, settlements, offshore soundings, islands, and names of some residents. 1:50,000. (Filed as 2112.31)

1291. PONCE HARBOR, SOUTH COAST OF PUERTO RICO. 1899. 1 item.
Blueline copy of Coast and Geodetic Survey chart No. 911, "Preliminary Chart of Ponce Harbor," with attached sheet of "Notes Referring to Chart 911." The chart

shows hydrography and topography. Notes give information about symbols used on chart. Inset: plan of Muertos Island. 1:20,000. (Filed as 3112.6)

1292. BARRIO PUNTILLA, MAYAGUEZ HARBOR, WEST COAST OF PUERTO RICO. 1901. 1 item.

Blueprint copy of a map, originally prepared by the Bureau of Public Works of Puerto Rico, showing buildings, piers, and property boundaries. 1:1,000. (Filed as 133.13, #1)

1293. MAYAGUEZ HARBOR, WEST COAST OF PUERTO RICO. 1896. 1 item.

"Anteproyecto del puerto de Mayagues . . . 15 Junio 1896 El Yngeniero Director de las Obras . . . ." Blueprint copy of original chart of proposed harbor facilities, forwarded to the Hydrographic Office ca. 1901, showing topography, proposed breakwaters, and other features. 1:10,000. (Filed as 133.13, #2)

Culebra Island

1294. CANAL DE LUIS PENA VICINITY, CULEBRA ISLAND. 1900. 2 items.

Photocopies of original hydrographic sheet No. 2469 and topographic sheet No. 2480, dated 1900, from the U.S. Coast and Geodetic Survey archives. Both were enlarged to scale 1:6,500 in 1902. (Filed as 441.17, #1 and #2)

1295. CULEBRA ISLAND. 1901. 1 item.

Published chart of "Culebra or Passage Island" (H.O. chart No. 1833, dated 1900), annotated to show a few sounding corrections from surveys by the U.S. Coast and Geodetic Survey. Topography and hydrography of surrounding waters are also shown. Insets: profile views. Approx. 3 inches to 1 nautical mile. (Filed as 2121.29)

1296. GREAT HARBOR, CULEBRA ISLAND. 1904. 2 items.

Two copies of published Coast and Geodetic Survey chart No. 913, annotated to show changes in buoys in Great Harbor. One was received from the U.S.S. *Olympia*, the other from the U.S. Light-House Board. The charts also show hydrography and topography, including buildings in San Ildefonso. 1:6,500. (Filed as 553.42)

VIRGIN ISLANDS

St. Thomas Island

1297. ST. THOMAS HARBOR WATERFRONT, ST. THOMAS ISLAND. 1889. 1 item.

Printed chart of the waterfront, annotated to show extension of a coal wharf and received from the U.S. Coast and Geodetic Survey. (Filed as 253.45)

1298. ST. THOMAS HARBOR AND CITY OF CHARLOTTE AMALIE, ST. THOMAS ISLAND. 1892. 1 item.

Published chart of St. Thomas Harbor and surrounding territory (undated H.O. chart No. 977), annotated to show buoy and anchorage corrections and forwarded as part of a hydrographic report. The base chart shows hydrographic and topographic features and a plan of Charlotte Amalie. Inset: view of harbor showing landmarks. Approx. 8 inches to 1 nautical mile. Source: U.S.S. *Jamestown.* (Filed as 2111.24)

1299. ST. THOMAS ISLAND. 1908. 1 item.

Part of a published Hydrographic Office chart, annotated "From Gen. Board. Nov. 27/08," showing topography, roads, and settlements. 1 inch to approx. 1 nautical mile. (Filed as 1103.38)

St. Croix Island

1300. CHRISTIANSTED HARBOR, ST. CROIX ISLAND. 1869. 3 items.

"Christiansted Havn." Three versions of a harbor chart originally surveyed by the Danish ship *Thor* in 1869—tracing received from the U.S. consul in Christiansted in 1887, manuscript version received from an unidentified source in 1893, and second manuscript version received from an unidentified source in 1901. All three charts show hydrographic features and coastal landmarks, including forts; details of the city

are omitted. The 1893 and 1901 charts contain inset views of the harbor. The 1901 chart is annotated with corrections to soundings and with the H.O. preliminary publication number 989p. Large scale. (Filed as 252.21; 261.97; 4121.26, #2)

St. John Island

1301. ORCAN HULLET OR CORAL BAY, ST. JOHN ISLAND. 1838. 1 item.
Manuscript copy of a Danish chart resulting from a survey by the ship *Allarts* in 1838. Annotated in pencil apparently in preparation for publication by the Hydrographic Office ca. 1901, the chart shows harbor soundings, ruins of several forts and batteries, and the settlement of Baserne. Large scale. (Filed as 4121.26, #1)

LESSER ANTILLES

1302. ST. MARTIN ISLAND. N.d. 1 item.
"Kaart Van Het Eiland St. Martin." Undated Dutch topographic map of the island, forwarded by the U.S. consul at St. Martin in 1892, showing topography, settlements, roads, offshore soundings, and place-names in Dutch, English, and French. (Filed as 1:42,000)

1303. MARTINIQUE ISLAND. Ca. 1892. 1 item.
"Carte Routiere de la Martinique." Manuscript map (in French), received in 1892 from the American schooner *Jeremiah Smith,* showing overland routes, place-names, and rivers. 1:80,000. (Filed as 261.89)

1304. PORT CASTRIES, ST. LUCIA ISLAND. 1890. 1 item.
Published Hydrographic Office chart of Port Castries, based on "British surveys corrected to 1872," annotated to show corrections to navigation aids, new horticultural gardens, and a hospital and forwarded by the U.S. consul in 1890. Also shown are hydrography, coast topography, roads, and prominent buildings. 1 inch to approx. 400 feet. (Filed as 252.51)

1305. PORT CASTRIES, ST. LUCIA ISLAND. 1890. 1 item.
Plan (tracing) of harbor, forwarded by the harbormaster, showing hydrography and a simplified plan of the city, including a botanic station, reclaimed land, a quarry, and government workshops. Approx. 14 inches to 1 nautical mile. (Filed as 242.53)

1306. PORT CASTRIES, ST. LUCIA ISLAND. 1893. 1 item.
Published chart of Port Castries (H.O. chart No. 1165, dated 1892), annotated with corrections and showing hydrography, coast topography, roads, and prominent buildings. 1 inch to approx. 400 feet. Source: U.S.S. *Yorktown.* (Filed as 261.85)

1307. PORT CASTRIES, ST. LUCIA ISLAND. 1897. 1 item.
Published chart of Port Castries (H.O. chart No. 1165, dated 1894), annotated to show geographic positions, landmarks, and names of streets. Also shown are hydrography, coast topography, roads, and prominent buildings. 1 inch to approx. 400 feet. Source: U.S.S. *Lancaster.* (Filed as 2101.2)

1308. PORT CASTRIES, ST. LUCIA ISLAND. 1899. 1 item.
Published chart of Port Castries (British Admiralty chart No. 499, dated 1894), annotated with minor corrections to navigation aids and forwarded as part of a hydrographic report. Soundings, coast topography, prominent buildings, and roads are shown. 1 inch to approx. 400 feet. Source: U.S.S. *Montgomery.* (Filed as 3112.18)

1309. PORT-OF-SPAIN HARBOR, TRINIDAD. 1892. 1 item.
Tracing of the shoreline and buoys. New soundings are indicated in red ink. Scale is not shown. Source: U.S.S. *Monongahela.* (Filed as 261.29)

1310. ORANJESTAD HARBOR, ARUBA ISLAND. 1877. 1 item.
Manuscript harbor plan showing soundings, buildings, and a fort. Approx. 10 inches to

1 nautical mile. Source: U.S.S. *Huron.* (Filed as 242.22)

1311. ARUBA ISLAND. 1893. 1 item.
Tracing showing Dutch place-names and topography, apparently copied from an unidentified Dutch chart. 1:57,400. Source: U.S.S. *San Francisco.* (Filed as 262.11, #1)

1312. WEST COAST OF ARUBA ISLAND. 1893. 1 item.
Tracing showing Dutch place-names and topography, apparently copied from an unidentified Dutch chart. 1:25,000. Source: U.S.S. *San Francisco.* (Filed as 262.11, #2)

SOUTH AMERICA

Colombia, Atlantic Coast

1313. ATLANTIC COAST OF COLOMBIA. 1896. 1 item.
Published chart of the Atlantic coast of Colombia (H.O. chart No. 964, dated 1894), annotated by A. L. Zeilinger Caracristi with notes concerning an Indian village in Cienega de Santa Marta; the historical importance of the Canal de Dique, which connected the Magdalena River and Cartagena harbor; goods shipped locally from the port of Tolu; the existence of bonded warehouses at Turbo on the Gulf of Darien; and local place-name corrections. 1 inch to approx. 13 nautical miles. (Filed as 492.1)

SAVANILLA AND MAGDALENA RIVER

1313a. LOWER MAGDALENA RIVER. 1866. 1 item.
Printed chart from a survey by the U.S. Coast Survey. Annotations refer to depth measurements and sources of information. 1:20,000. (Filed as 243.43, #1)

1314. SAVANILLA HARBOR AND ENTRANCE TO MAGDALENA RIVER. 1877. 1 item.
Published British Admiralty chart No. 2259 (dated 1876), annotated on the reverse side by the captain of the Liverpool Line steamship *Californian* to show its anchorage and received by the Hydrographic Office from the U.S.S. *Huron.* 1 inch to approx. 1 nautical mile. (Filed as 242.22, #1)

1315. ENTRANCE TO MAGDALENA RIVER. 1878. 1 item.
Tracing of a chart of the river mouth, prepared by the captain of the French ship *La Bourdonnaise* and presented to the U.S. consul at Savanilla with a printed copy of two letters relating to sailing directions. The two letters were written by the captains of the *La Bourdonnaise* and the Dutch ship *Cornelis Dirks.* 1:5,000. (Filed as 243.43, #2)

1316. SAVANILLA HARBOR. 1884. 1 item.
Tracing showing soundings and the mole at Puerto Belillo, the towns of Savanilla and Salgar, and a railroad. 1 inch to 600 feet. Source: U.S. Fish Commission steamer *Albatross.* (Filed as 243.66)

1317. LOWER MAGDALENA RIVER. Ca. 1900. 1 item.
Chart on tracing cloth prepared by Civil Engineer A. Lavandayra to accompany an undated report on Magdalena River and submitted to the Hydrographic Office by Comdr. Z. L. Tanner, ca. 1900. The chart shows soundings and adjacent terrain along the lower 4 miles of the river. Approx. 7 inches to 1 nautical mile. (Filed as 593.1)

Venezuela and Guyana (British Guiana)

1318. GULF OF VENEZUELA AND ENTRANCE TO LAKE MARACAIBO. 1880. 1 item.
Colored manuscript chart, compiled by Capt. E. H. Plumacher, U.S. consulate at Maracaibo, showing the shoreline, place-names, a few mountain peaks, and the direction of the currents. 1 inch to approx. 7 nautical miles. (Filed as 242.12, #2)

1319. LAKE MARACAIBO AND ADJACENT LANDS. 1880. 1 item.
Manuscript map on tracing cloth compiled by Capt. E. H. Plumacher, U.S. consulate at

Maracaibo, for a work entitled "The Lake of Maracaibo and Its Resources." The map covers the surrounding region of western Venezuela and shows topography, rivers, towns, roads, and Fort San Carlos at the entrance to the lake. 1 inch to approx. 8 nautical miles. (Filed as 242.12, #1)

1320. ROUTE OF THE RED "D" STEAMSHIP LINE OF NEW YORK FROM CURACAO TO MARACAIBO. 1905. 1 item.

Part of a printed chart annotated with a line showing the route. Small scale. (Filed as 472.32)

1321. ESTANQUES BAY, PARAGUANA PENINSULA. 1888. 1 item.

Tracing showing hydrography, sailing directions, and the village of Lostaques. Approx. 10 inches to 1 nautical mile. Source: U.S.S. *Yantic.* (Filed as 253.17)

1322. LA GUAIRA HARBOR (PORT FOR CARACAS). 1897. 1 item.

"La Guaira Harbour Venezuela. General Plan—March 1897." Harbor plan printed in London, annotated with new soundings obtained from the La Guaira Harbor Corp., and received from the U.S.S. *Annapolis.* The base chart shows harbor facilities, street names, railroads, and local ruins. 1:1,500. (Filed as 1102.45)

1323. PORT OF CARENERO (EAST OF CARACAS). 1890. 1 item.

"Cote Nord Du Venezuela, Plan du port de Carenero Levee et Calise en janvier 1890 par . . . le steamer francais *Nantes.*" Tracing of a French chart showing soundings and a railroad station. Large scale. (Filed as 572.7)

1324. PORT MOCHIMA, CUMANA. N.d. 1 item.

"Cumana. Port Mochima From an old Spanish Plan." Printed chart, apparently an enlarged version of an early Hydrographic Office chart, received in Hydrographic Office archives in 1901. Soundings and coastal topography are shown. Approx. 6 inches to 1 nautical mile. (Filed as 4122.19, #1)

1325. LAGUNA GRANDE DEL OBISPO, GULF OF CARIACO. N.d. 1 item.

"Gulf of Cariaco. Laguna Grande del Obispo From an old Spanish Plan." Printed chart, apparently an enlarged version of an early Hydrographic Office chart, received in Hydrographic Office archives in 1901. Soundings and the shoreline are shown. Approx. 12 inches to 1 nautical mile. (Filed as 4122.19, #2)

1326. CITY OF PAMPATAR AND PORT MORENO, MARGARITA ISLAND. 1877. 1 item.

Part of a Hydrographic Office published chart, annotated to show sounding and shoreline corrections. Also shown are hydrography, buildings, and Fort San Carlos. Approx. 2 inches to 1 nautical mile. Source: U.S.S. *Huron.* (Filed as 242.22, #3)

1327. SOUNDINGS IN VICINITY OF MARGARITA ISLAND. 1901. 4 items.

Manuscript charts and tracings showing soundings taken during a reconnaissance survey of the waters south of the island (Chacopata Channel), north of the island, and in Gaumache Bay (south coast of the island). Scales vary. Source: U.S.S. *Mayflower.* (Filed as 3123.21, #5-#8)

1328. ORCHILLA ISLAND, TESTIGOS ISLANDS, AND PUERTO SANTO BAY IN SUCRE PROVINCE. 1877. 2 items.

Two sheets of pencil landscape views. Source: U.S.S. *Huron.* (Filed as 242.22, #4 and #5)

1329. MATURIN BAR, SAN JUAN RIVER, AND GUANOCO RIVER. 1899. 18 items.

Preliminary worksheets from hydrographic survey—boat sheets, rough plotting sheets, and tracings. Scales vary. Source: U.S.S. *Marietta.* (Filed as 3113.34, #1, #2, #5-#12, and #14-#21)

1330. MATURIN BAR AND APPROACH TO SAN JUAN RIVER. 1899. 1 item.

Rough survey sheet showing soundings. Approx. 5 inches to 1 nautical mile. Source: U.S.S. *Marietta.* (Filed as 3113.34, #4)

1331. SAN JUAN AND GUANOCO RIVERS. 1899. 1 item.

Smooth survey sheet of San Juan River to Guanoco River, and Guanoco River to the town of Guanoco, showing river soundings and buildings, a wharf, and the Guanoco-La Brea railroad in the town of Guanoco. Approx. 5 inches to 1 nautical mile. Source: U.S.S. *Marietta.* (Filed as 3113.34, #13)

1332. GUANOCO RIVER (TRIBUTARY OF SAN JUAN RIVER). 1899. 1 item.

Rough survey sheet covering Guanoco River from its junction with San Juan River to the town of Guanoco and showing soundings and the point where vessels bound for Guanoco are "turned, towed to wharf stern first by a tugboat." Approx. 20 inches to 1 nautical mile. Source: U.S.S. *Marietta.* (Filed as 3113.34, #3)

1333. MOUTH OF ORINOCO RIVER. 1838. 1 item.

"Plano de la Barra del Orinoco levantado de orden del Ecmo. Sor. Vice Presidente de la Republica, Carlos Soublette Por el Capitan de Fragata de la Armada Jose M. Lauz[?] Ano de 1838." Tracing, received from the U.S.S. *Dolphin* in 1899, showing shorelines, soundings, and local place-names. 1 inch to approx. 4 nautical miles. (Filed as 4113.10, #27)

1334. ORINOCO RIVER. 1892. 1 item.

Manuscript chart (tracing) from a running survey from the mouth of the river to Ciudad Bolivar (Angostura), showing sailing directions, soundings, small islands, and notes on the adjacent terrain. Scale is not shown but is approx. 1 inch to 1 mile. Length of tracing, approx. 16 feet. Source: U.S.S. *Kearsarge.* (Filed as 261.86)

1335. ORINOCO RIVER. 1899. 7 items.

Series of published charts (H.O. chart Nos. 1623-1629) covering the Orinoco from its mouth to Ciudad Bolivar, based on the survey by the U.S.S. *Kearsarge* in 1892 (see entry 1334) and annotated with corrections from a new running survey. Noted are place-names, vegetation, and other features adjacent to the river. 1 inch to 1 nautical mile. Source: U.S.S. *Wilmington.* (Filed as 3113.2)

1336. ORINOCO RIVER MOUTH AND BAR. 1899-1900. 4 items.

Large-scale preliminary boat sheets from survey. Source: U.S.S. *Dolphin.* (Filed as 4113.10, #28-#31)

1337. ORINOCO RIVER MOUTH AND BAR. 1899-1900. 2 items.

Two similar plotting sheets showing the shoreline of Congrejo Island, Nuina Island, the mouth of the Barima River, soundings in the vicinity of the sandbar, and local vegetation. Large scale. Source: U.S.S. *Dolphin.* (Filed as 4113.10, #25 and #32)

1338. CANO IMATACA BRANCH OF THE LOWER ORINOCO RIVER. 1901. 6 items.

Five reconnaissance sheets and one index sheet. The reconnaissance sheets show soundings, the village of Manoa, and iron ore mines. Approx. 6 inches to 1 nautical mile. Source: U.S.S. *Scorpion.* (Filed as 3121.26)

1339. EASTERN VENEZUELA AND GUYANA (BRITISH GUIANA). N.d. 1 item.

Manuscript map, apparently drawn in the Hydrographic Office, showing topography, rivers, settlements, and place-names. Note in longhand states that the map was compiled from "Codazzi's map of Venezuela from the U.S. Geological Survey, from a . . . map of British Guiana, 1875—bound in the Proceedings of the Royal Geographical Society for 1880—and from the latest British, Dutch, and United States charts." 1 inch to approx. 20 nautical miles. (Filed as 3102.22)

1340. RIVERS IN EASTERN VENEZUELA AND WESTERN GUYANA (BRITISH GUIANA). 1891. 1 item.

"Sketch of Waini, Barima, Amacura and Pomeroon Rivers." Small blueprint chart, received from the steamship *Alejo 1st,* showing settlements, an Indian mission, and "police stations" along the coast. 1 inch to approx. 20 nautical miles. (Filed as 253.51)

1341. DELTA OF ORINOCO RIVER AND ADJACENT PARTS OF EASTERN VENEZUELA AND GUYANA (BRITISH GUIANA). 1895. 1 item.

"Mapa Del Delta Del Rio Orinoco y de La Sierra Imataca." Blueprint map covering area from the San Juan River, Venezuela, to the mouth of the Essequibo River, Guyana, and approximately 100 miles inland and showing names of rivers, mountains, and some settlements. 1 inch to approx. 10 nautical miles. (Filed as 4102.31)

1342. VENEZUELA AND GUYANA (BRITISH GUIANA). 1895. 1 item.

"Map of a Portion of Venezuela and British Guiana Showing the Advance of English Claims on Venezuelan Territory. Compiled and Drawn by T. Heyward Gignilliat 1895." Printed and copyrighted in Washington, D.C., the map contains an extensive historical text. 1 inch to approx. 45 statute miles. (Filed as 3103.20, #1)

1343. "CANTON DE PIACOA," EASTERN VENEZUELA AND WESTERN GUYANA (BRITISH GUIANA). Ca. 1895. 1 item.

"Canton de Piacoa de la Provincia de Guayana." Photocopy of printed map covering the delta of the Orinoco and adjacent parts of Venezuela and Guyana as far inland as the Moroco River and showing topography, rivers, place-names, roads, and anchorages for river vessels. The map apparently is related to the Venezuela-British Guiana boundary controversy and probably of Venezuelan origin. Approx. 1:900,000. Source is not given. (Filed as 3103.20, #2)

1344. "CANTON DE UPATA," EASTERN VENEZUELA AND WESTERN GUYANA (BRITISH GUIANA). Ca. 1895. 1 item.

"Carta del Canton de Upata de la Provincia de Guayana." Photocopy of map, printed in Paris, France (n.d.), covering area from the Orinoco River, Venezuela, to the Essequibo River, Guyana, and as far inland as the Sierra de Pacaraima and showing topography, rivers, place-names, roads, and anchorages for river vessels. The map apparently is related to the Venezuela-British Guiana boundary controversy; longitudes measured eastward from Caracas may indicate the map is of Venezuelan origin. Approx. 1:500,000. (Filed as 3103.20, #3)

Surinam (Dutch Guiana)

1345. MOUTH OF SURINAM RIVER AND APPROACHES TO PARAMARIBO. 1894-95. 1 item.

"Kaart Der Suriname Rivier van de monding tot Paramaribo." Tracing of original chart, forwarded in 1903 by the U.S. consul, showing hydrography, new and old positions of a lightship, and names of plantations along the lower river. 1:50,000. (Filed as 251.62, #2)

1346. MOUTH OF SURINAM RIVER AND APPROACHES TO PARAMARIBO. 1902. 1 item.

Published chart (H.O. chart No. 88, dated 1898 and received from the Royal Dutch Mail steamship *Prins Willem III),* annotated with corrections and showing hydrography and plantations along the lower river. 2 inches to 1 nautical mile. (Filed as 251.62, #1)

Brazil

1347. SOUTHERN BRAZIL. 1891. 1 item.

"Karte von Sud-Brasilien mit Angabe der Eisenbahnen von H. Lange, Berlin, 1891." Printed German map of southern Brazil, distributed by George Philip & Son of London, England. Received in the Hydrographic Office in 1892, the map covers the area from Minas Gerais State southward and shows topography, rivers, railroads, towns, and lands in dispute between Brazil and Argentina. 1:5,250,000. (Filed as 342.93)

1348. COAST OF ESPIRITU SANTO AND RIO DE JANEIRO STATES. 1908. 1 item.

Published British Admiralty chart No. 3108, dated 1900 and forwarded by the U.S.S. *Connecticut,* covering the east coast of Brazil from Rio Doce to Cape St. Thome and showing hydrography, topography,

rivers, settlements, place-names, and other features near the coast. Approx. 1:17,000,000. (Filed as 392.33)

1349. APPROACHES TO MARANHAO. 1864. 1 item.

Manuscript chart of approaches to "Marinham," from a survey by L. C. Vassalo, showing the shoreline, soundings, and the location of the city. 1 inch to approx. 2 nautical miles. Source: U.S.S. *Ticonderoga.* (Filed as 341.55)

1350. FORTALEZA (CEARA) HARBOR. 1866. 1 item.

Manuscript reconnaissance chart of Fortaleza (formerly Ceara), showing villages and hydrographic information. Approx. 6 inches to 1 nautical mile. Source: U.S.S. *Mohican.* (Filed as 342.4)

1351. SAN ALBERTO CHANNEL, NORTHEAST COAST OF BRAZIL. 1886. 1 item.

Manuscript chart of the eastern part of a channel located east of the port of Macau, State of Rio Grande do Norte. Shown are corrections noted during hydrographic examination. Approx. 3 inches to 1 nautical mile. Source: U.S.S. *Tallapoosa.* (Filed as 342.29)

1352. RECIFE (PERNAMBUCO) HARBOR AND APPROACHES. 1889. 1 item.

Tracing of a British(?) chart showing hydrography, settlements, coast forts, and remarks on sailing directions. Approx. 2 inches to 1 nautical mile. Source: U.S.S. *Richmond.* (Filed as 342.72)

1353. RECIFE (PERNAMBUCO) HARBOR. Ca. 1899. 1 item.

"Planta do Porto do Recife." Tracing of original chart noted in related textual documents as being "from H.O. officials at Rio" and found in 1899 "among charts turned in by U.S.S. *Cincinnati.*" Detailed harbor soundings and names of a few buildings along the waterfront are shown. 1:2,000. (Filed as 2112.33)

1354. RECIFE (PERNAMBUCO) HARBOR AND APPROACHES. 1899. 1 item.

Published chart of "Pernambuco Roadstead" (H.O. chart No. 982, dated 1895), annotated with information relating to navigation aids and forwarded as part of a hydrographic report, showing hydrographic and topographic features along the coast. Inset: enlarged plan of the Port of Pernambuco. Approx. 4 inches to 1 nautical mile. Source: U.S.S. *Montgomery.* (Filed as 4111.1)

1355. HOTSPUR AND RODGERS REEFS, OFF THE COAST OF THE STATE OF BAHIA. 1877. 1 item.

Manuscript chart from survey of reefs. 1 inch to 4 nautical miles. Source: U.S.S. *Adams.* (Filed as 341.25)

1356. VITORIA (PORT VICTORIA) AND ESPIRITU SANTO BAY. 1902. 1 item.

Published chart (H.O. chart No. 1429, dated 1894), annotated to show steamer's route into the port, buoys, and related information. The base chart shows hydrography and limited coastal topography. Approx. 4 inches to 1 nautical mile. Source: U.S.S. *Catania.* (Filed as 2113.20, #4)

1357. PORT OF CAPE FRIO (EAST OF RIO DE JANEIRO). 1874. 1 item.

Manuscript chart showing hydrography, topography, and buildings. Inset: view of south entrance. Approx. 4 1/2 inches to 1 nautical mile. Source: U.S.S. *Monongahela.* (Filed as 342.2)

1358. COALING STATION AT CAPE FRIO (EAST OF RIO DE JANEIRO). 1902. 1 item.

Manuscript chart from a survey for a coaling station at "North Cove," showing proposed coalsheds, harbor soundings, and a fort at Point San Sebastian. 1 inch to approx. 20 nautical miles. Source: U.S.S. *Atlanta.* (Filed as 563.21)

1359. RIO DE JANEIRO BAY. 1847. 1 item.

"Planta Hidrographica De Bahia Do Rio De Janeiro Levantada em 1810 Por uma Commissao de Officiaes da Armada e novamente correcta e augmentada por Joaquim Raimundo De Lamare Capitao Tenente de

Armada Em 1847." Blueprint copy of original showing hydrography and a few landmarks on the coast. Approx. 1 1/2 inches to 1 nautical mile. Source is not given. (Filed as 161.5)

1360. SANTOS HARBOR. 1897. 1 item.
"Companhia Docas de Santos Planta Geral ...." Printed chart, relating to harbor improvements, accompanying a pamphlet (filed among the related textual records of the Hydrographic Office) of the Santos Dock Co. The chart was annotated in 1901 to show a projected cut to straighten a bank of the river above the city. It also shows local topography and names of city streets and prominent buildings. 1:10,000. Source: U.S.S. *Atlanta.* (Filed as 2113.20, #1)

1361. SANTOS HARBOR. 1904. 2 items.
"Porto de Santos ...." Tracing and a duplicate blueprint copy, received from the Santos Dock Co. and the U.S. ships *Marietta* and *Brooklyn,* showing soundings, a simplified plan of the city (without street names), and limited topography. 1:10,000. (Filed as 2113.20, #2 and #3)

1362. SEARCH FOR MADEIROS ROCK, OFF THE COAST OF SAO PAULO STATE. 1877. 1 item.
Manuscript chart showing the track of the U.S.S. *Adams* "accompanying the U.S.S. *Frolic.*" 1 inch to approx. 4 nautical miles. (Filed as 341.26, #2)

1363. SEARCH FOR MADEIROS ROCK, OFF THE COAST OF SAO PAULO STATE. 1881. 1 item.
Manuscript chart showing the ship's track and locations of the rock as reported by earlier sources. Scale is not shown. Source: U.S.S. *Shenandoah.* (Filed as 341.10)

1364. COALING STATION AT SANTA CATARINA STRAIT (FLORIANAPOLIS VICINITY). 1902. 1 item.
Manuscript chart covering the northeast corner of Santa Catarina Island and showing sites for a target range and a coaling station, soundings, abandoned Fort San Jose, Fort Santa Cruz, notes on fishing houses, and vegetation cover. Approx. 10 inches to 1 nautical mile. Source: U.S.S. *Atlanta.* (Filed as 553.50)

1365. SANTA CATARINA HARBOR (FLORIANAPOLIS). 1899. 1 item.
"Plana ... do porto de S. Catharina ... 1899." Tracing of a Brazilian Hydrographic Office chart showing depth curves and names of prominent places along the shore. 1:40,000. (Filed as 5113.8)

AMAZON BASIN

1366. AMAZON EXPLORATION BY LT. WILLIAM L. HERNDON, USN. 1851. 1 item (2 sections).
Manuscript map showing the route of the expedition from Lima, Peru, by way of the Ucayali and Huallaga tributaries, to the mouth of the Amazon; place-names; local topography; and silver and copper mining areas in Peru. 1 inch to approx. 35 nautical miles. (Filed as 342.3)

1367. AMAZON AND MADEIRA RIVERS. 1878. 32 items.
Series of 31 manuscript sheets from the T. O. Selfridge expedition in the U.S.S. *Enterprise,* covering the Amazon and Madeira Rivers to the town of San Antonio, and small-scale general chart of the Amazon Basin based partly on the Selfridge expedition and partly on a survey of the upper Amazon by T. W. Sparrow, civil engineer, under orders of the Peruvian Government, 1871-74. The 31 sheets show soundings, names of islands, topography, dwellings, villages, and cultivated fields along the riverbanks. Some sheets contain inset plans of river anchorages and penciled notes by Selfridge to the draftsman. Sheet 31 is a separate chart of the Orua Island section of the Madeira River. Scale of most sheets, 1 inch to 1 nautical mile. (Filed as 341.3, #1-#32)

1368. MOUTH OF PARA RIVER (AMAZON) AND CITY OF BELEM. 1882. 1 item.
Published chart of the mouth of the Para River (H.O. chart No. 887, dated 1882),

annotated by "Capt. Pomroy" with notes regarding sailing directions and forwarded by the U.S. consul in Belem. Inset: view of the city of Belem (Para), showing prominent waterfront buildings. 1 inch to 3 nautical miles. (Filed as 341.43)

1369. AMAZON AND MADEIRA RIVERS. Ca. 1901. 7 items.

Published charts of parts of the Amazon and Madeira Rivers (H.O. chart Nos. 886-889, 897, and 1375) and rough manuscript chart of the section of the Amazon between Manaos and Iquitos—all containing penciled notes relating to tides, currents, place-names, and the economic activities and population of a few towns along the river. Source is not shown, but one sheet contains the name "Capt. Crimp Booth SS Co." Many of the notes are illegible. Scales vary. (Filed as 3121.25)

1370. UPPER AMAZON, IQUITOS TO RIO NEGRO. 1902. 1 item (3 sections).

Tracing by Captain Pope of the SS *Hillary*, Booth Steamship Line, covering area from Iquitos, Peru, to the Negro River junction in Brazil and showing islands, settlements, and place-names along the riverbanks. Scale is not shown. (Filed as 341.71)

Uruguay

(See entries 1406-1413 for tributaries of Rio de la Plata.)

1371. SOUTHEAST COAST OF URUGUAY. 1879. 2 items.

Manuscript chart and tracing covering the coast from Cape Castillo (Polonio) to Lobos Island and La Plata Bank in Rio de la Plata and showing soundings, coastal topography, and place-names. 1 inch to approx. 4 1/2 nautical miles. Source: U.S.S. *Essex*. (Filed as 341.36, #1 and #2)

1372. SEARCH FOR REPORTED ROCK, COAST OF URUGUAY. 1902. 1 item.

"Chart of Ground Covered and Soundings Recorded by U.S.S. *Atlanta* while searching for reported rock," latitude 33°15′ S., longitude 52°25′ W. 1 inch to 1 nautical mile. (Filed as 1123.50)

1373. COAST OF URUGUAY, EAST OF MONTEVIDEO (FLORES ISLAND TO PUNTA BRAVA). 1874. 3 items.

Preliminary manuscript charts, "Section I" and "Section II and III," plus a supplementary tracing showing additional soundings in section I. The charts show soundings, the shoreline, and a few landmarks. Approx. 2 1/2 inches to 1 nautical mile. Source: U.S.S. *Wasp*. (Filed as 341.15, #1, #2, and #4)

1374. MONTEVIDEO BAY AND ADJACENT COAST TO THE EAST (FLORES ISLAND TO PUNTA DEL CERRO). 1874. 1 item.

Smooth manuscript chart originally entitled "Rio de la Plata From Flores Island to Punta Brava From a Survey by U.S.S. *Wasp* . . . ." A new title, in pencil, reads, "From Flores Light to Punta del Cerro. Eastward of Pta. Brava surveyed by . . . U.S. Ship *Wasp*, 1874. Westward from the survey by C. H. Dillon Master R.N., 1849." Montevideo Bay is included in the coverage. The chart, marked for publication as Hydrographic Office chart No. 672, shows hydrography and coastal features. Approx. 2 1/2 inches to 1 nautical mile. (Filed as 341.15, #3)

1375. MONTEVIDEO BAY. 1875. 1 item.

Tracing of a British chart of Montevideo Bay (dated 1872); corrections are indicated in red ink. Shown are new soundings, the city of Montevideo, docks, a church, a customhouse, and "Tuson's project for a new port" south of the city of Punta Brava. Approx. 5 inches to 1 nautical mile. Source: U.S.S. *Wasp*. (Filed as 341.11)

1376. MONTEVIDEO HARBOR DRY DOCK. 1875. 1 item.

Large-scale manuscript chart. Source: U.S.S. *Wasp*. (Filed as 341.11)

1377. CERRO POINT, MONTEVIDEO BAY. 1880. 1 item.

Tracing of chart, originally drawn in 1880 by officers of the French gunboat *Boursaint*, showing soundings, projected harbor works, and extensive notes in French. Large scale. Source: U.S.S. *Marion*. (Filed as 341.40)

1378. PUNTA BRAVA, EAST OF MONTEVIDEO BAY. 1892. 1 item.
Manuscript chart showing soundings taken during a survey of shoals reported near Punta Brava and the position of Punta Brava lighthouse. 1 inch to approx. 12 nautical miles. Source: U.S. ships *Essex* and *Yantic.* (Filed as 343.5)

1379. MONTEVIDEO BAY AND ADJACENT COAST TO THE EAST (FLORES ISLAND TO PUNTA DEL CERRO). 1892. 2 items.
Two published charts of "Rio de la Plata from Flores Island to Punta del Cerro" (H.O. chart No. 672, dated 1887 and 1892), annotated with minor corrections and showing hydrography, topography, and prominent buildings at Montevideo harbor. Approx. 2 1/2 inches to 1 nautical mile. Source: U.S.S. *Essex.* (Filed as 341.81, #2; 343.25, #2)

1380. MONTEVIDEO BAY AND ADJACENT COAST TO THE EAST (FLORES ISLAND TO PUNTA DEL CERRO). 1893. 2 items.
Published chart (H.O. chart No. 672, dated 1890), annotated with corrections to navigation aids at Montevideo harbor, and part of a published chart of Rio de la Plata, annotated to show the ship's track and soundings on the approach to Montevideo. Scales vary. Source: U.S.S. *San Francisco.* (Filed as 343.24, #1 and #2)

1381. MONTEVIDEO BAY AND ADJACENT COAST TO THE EAST (FLORES ISLAND TO PUNTA DEL CERRO). 1899. 1 item.
Published chart (H.O. chart No. 672, dated 1895), annotated with corrections to navigation aids. Approx. 2 1/2 inches to 1 nautical mile. Source: U.S.S. *Montgomery.* (Filed as 4111.33)

1382. MONTEVIDEO HARBOR WORKS. 1904. 2 items.
Printed chart and photocopy, both in Spanish, with annotations relating to progress of the harbor works. Approx. 1:5,000. Source: U.S.S. *Castine.* (Filed as 573.44, sheets A and B)

1383. COLONIA ROADS. 1875. 1 item.
Tracing of an unidentified chart, with corrections. Approx. 4 inches to 1 nautical mile. Source: U.S.S. *Wasp.* (Filed as 341.13, #3)

1384. COLONIA ROADS. 1892. 1 item.
Published chart of Colonia Roads (H.O. chart No. 503, dated 1889), annotated with corrections relating to navigation bearings. 1 inch to approx. 2 nautical miles. Source: U.S.S. *Essex.* (Filed as 343.25, #1)

1385. SHOAL OFF HORNOS ISLANDS, COAST OF URUGUAY. Ca. 1875. 1 item.
Manuscript chart of shoals originally surveyed by C. P. Shaw, master, USN, 1871, and approved by A. T. Mahan, commander of the U.S.S. *Wasp,* ca. 1875. Approx. 4 inches to 1 nautical mile. (Filed as 341.13, #4)

Argentina

(See entries 1406-1416 for tributaries of Rio de la Plata.)

1386. RAILROADS IN BUENOS AIRES PROVINCE. 1881. 1 item.
"Ferro-Carriles Y Principales Lineas de Mensagerias." Printed map, received in 1888 from the U.S. consul, showing existing and proposed railway lines and those under construction, administrative districts, and towns. 1 inch to approx. 750 kilometers. (Filed as 342.54)

1387. COMMUNICATIONS AND TRANSPORTATION MAP OF ARGENTINA. 1887. 1 item.
"Plano General de Correos, Telegrafos, Y Ferro-Carriles De La Republica Argentina." Map lithographed from "La Prensa" and furnished by the Argentine Information Office in 1888. Colored lines show existing railways and those under construction, concessions, telegraph lines, and other communications features. 1:4,000,000. (Filed as 342.49, #1)

1388. MAP OF ARGENTINA, WITH DESCRIPTIVE SUPPLEMENT. 1888. 1 item.
"Map of the Argentine Republic," published by the Argentine Information Office

in London, England, showing existing railroads and those under construction, pasturelands, uncultivated lands, colonies, topography, rivers, and towns. The reverse side contains an inset chart of Buenos Aires harbor works and descriptive text relating to political organization, agriculture, industries, commerce, revenue, railways, education, labor market, status of colonies, and other features. Approx. 1:4,000,000. (Filed as 342.49, #2)

1389. LIGHTHOUSE CHART OF ARGENTINA. 1899. 1 item.
"Plano General de los Semaforos y Faros a establecerse a lo largo de las Costas Atlantica Argentinas." Small chart, printed by El Ingeniero Director General at Buenos Aires and forwarded in 1902 by the U.S. Office of Naval Intelligence, showing locations of lighthouses and related coast stations. 1 inch to approx. 110 nautical miles. (Filed as 553.48)

1390. RIO DE LA PLATA AND APPROACHES TO BUENOS AIRES. 1892. 1 item.
Published H.O. chart No. 930, dated 1891 and annotated to show location of the Argentine fleet and several shipwrecks, covering the southern coast of Uruguay as well as the Argentine coast. 1 inch to approx. 6 nautical miles. Source: U.S.S. *Essex.* (Filed as 341.81, #1)

1391. BUENOS AIRES HARBOR. 1883. 1 item.
"Proyecto General de un Puerto Para Buenos Aires Por el Ingeniero Dn. Luis A. Huergo." Printed chart, received from the U.S.S. *Nipsic,* showing channel of the "Riachuelo." 1:1,000. (Filed as 341.1, #1)

1392. BUENOS AIRES HARBOR IMPROVEMENTS. 1883. 1 item.
Tracing of plan of harbor improvements at the "Boca del Riachuelo," taken from an original plan by W. H. Taylor, contractor. Source: U.S.S. *Nipsic.* 1:4,000. (Filed as 341.1, #2)

1393. BUENOS AIRES HARBOR. 1890. 1 item.
Tracing showing harbor works, proposed works, and important buildings near the harbor. Source: U.S.S. *Richmond.* (Filed as 341.87)

1394. BUENOS AIRES HARBOR. Ca. 1898. 1 item.
"Argentine Republic. Buenos Ayres Harbour Works. Hawkshaw, Hayter & Dobson Engineers." Printed chart with a few notes and measurements. Source: U.S.S. *Cincinnati.* 1:8,000. (Filed as 1103.45)

1395. DOCKS AT BUENOS AIRES HARBOR. 1904. 1 item.
"Plano acotado de la Darsena Norte, Diques y Darsena Sud." Blueprint copy of the original chart. Source: U.S.S. *Atlanta.* (Filed as 572.25)

1396. ENSENADA HARBOR. 1874. 1 item.
Privately printed chart, apparently based on surveys of 1871 and 1872 and filed among the survey records of the U.S.S. *Frolic,* 1876, showing hydrography, the shoreline, and part of a railroad to Buenos Aires. 1 inch to 5,000 feet. (Filed as 341.14, #5)

1397. ENSENADA HARBOR. 1874. 1 item.
Tracing (received in Hydrographic Office in 1876) of an Italian chart, originally based on a survey by the gunboat *Veloce,* showing hydrography, the shoreline, and part of a railroad to Buenos Aires. 1:30,000. Source: U.S.S. *Frolic.* (Filed as 341.14, #4)

1398. ENSENADA HARBOR. 1876. 3 items.
Manuscript charts from survey of the "Ensenada de Barragan" harbor—rough plotting sheet, smooth sheet, and version prepared for publication as Hydrographic Office chart No. 778—showing hydrography, the shoreline, notes on vegetation, a customhouse, and part of a railroad to Buenos Aires. Insets: views of the shoreline. 1 inch to approx. 2,000 feet. Source: U.S.S. *Frolic.* (Filed as 341.14, #1-#3)

1399. ENSENADA HARBOR AND THE CITY OF LA PLATA. 1890. 1 item.
"Plano General del Puerto La Plata Proyectado por El Ingeniero J. A. A. Waldorp Director Tecnico de las Obras . . . ." Blueprint, annotated with a grid pattern, showing port of Ensenada and proposed plan of

La Plata. 1:25,000. Source: U.S.S. *Richmond.* (Filed as 342.88)

1400. ENSENADA HARBOR AND PART OF THE CITY OF LA PLATA. 1891. 1 item.
"Plano General del Puerto de la Plata . . . ." Chart, printed by Museo de la Plata and annotated and forwarded as part of a hydrographic report, showing dockworks and names of prominent buildings. 1:25,000. Source: U.S.S. *Chicago.* (Filed as 343.6, #1)

1401. ENSENADA HARBOR AND THE CITY OF LA PLATA. 1892. 1 item.
Tracing similar to the blueprint described in entry 1399, except that the street pattern of La Plata is omitted. It was forwarded as part of a hydrographic report. 1:25,000. Source: U.S.S. *Chicago.* (Filed as 343.6, #2)

1402. PUERTO BELGRANO, BUENOS AIRES PROVINCE. 1896. 1 item.
"Hydrographic Chart of Puerto Belgrano in Bahia Blanca." Tracing of an Argentine chart based on surveys by the Argentine gunboat *Uruguay.* Insets show enlarged plans of channels. 1:40,000. Source of tracing is unknown. (Filed as 3121.45)

1403. BAR AT ENTRANCE TO RIO NEGRO. 1839. 1 item.
"Chart of the Bar off the Rio Negro by the U.S. Ex. Ex." showing soundings and bottom sediments. Scale is not shown. Source: Wilkes exploring expedition. (Filed as 272.24, #22a)

1404. LOWER RIO NEGRO. 1839. 1 item.
Small manuscript chart, without title, showing a Governor's estancia, a pilothouse, shoals, and the positions of the U.S.S. *Peacock* and a schooner during surveying. Scale is not shown. Source: Wilkes exploring expedition. (Filed as 272.24, #22b)

1405. PUERTO SANTA CRUZ, SOUTHERN ARGENTINA. 1902. 1 item.
Published Argentine Hydrographic Office chart (dated 1900) annotated to show sounding corrections. 1:50,000. Source: U.S.S. *Atlanta.* (Filed as 5123.4)

Tributaries of Rio De La Plata

1406. TRIBUTARIES OF RIO DE LA PLATA. 1851-56. 8 items.
Large-scale preliminary survey worksheets, some illegible, from the first expedition under Comdr. Thomas J. Page, USN. (Filed as 341.6, #20-#27)

1407. TRIBUTARIES OF RIO DE LA PLATA. 1853-56. 19 items.
Series of 18 manuscript survey sheets drawn in ink and an incomplete index chart from the first expedition under Comdr. Thomas J. Page, USN, in the U.S. ships *Water Witch* and *Dolphin.* Shown are river soundings, topography, settlements, ranches, place-names, and other features along the riverbanks. Coverage includes the mouth of the Parana and Uruguay Rivers (Martin Garcia Channel) and the lower Parana River (sheets #1-#9); the Paraguay River (sheets #10-#15b); Salado and Colastine tributaries of the Parana and adjacent part of the Parana (sheet #16); and the lower Uruguay River to Salto Grande (sheets #17-#18). Most of the charts seem to be at the scale of 1:100,000. (Filed as 341.6, #1-#19)

A list indicating coverage of the individual charts is filed in related textual records. Published charts based on the above survey sheets are filed as AMA-340 among Records of the Office of the Chief of Engineers, Record Group 77.

1408. SOUTH-CENTRAL PART OF SOUTH AMERICA. 1853-56. 1 item.
"Map of the Basin of La Plata Based Upon the Results of the Expedition Under the Command of Thos. J. Page, U.S. Navy, in the years 1853, -'54, -'55, -'56. And of the Adjacent Countries, Compiled from the best authorities." Printed map covering Uruguay, northern Argentina, Paraguay, southern Brazil, Bolivia, northern and central Chile, and southern Peru and showing the routes of the first expedition under

Comdr. Thomas J. Page, USN; routes of earlier explorers; topography; rivers; place-names; settlements; abandoned or destroyed towns; roads; military posts; and political boundaries claimed by the various governments. 1:3,000,000. (Filed as 341.6, #28)

1409. TRIBUTARIES OF RIO DE LA PLATA. 1858-60. 51 items.

Series of large-scale manuscript survey charts roughly drawn in pencil during the second expedition under Comdr. Thomas J. Page, USN, in the U.S. ships *Water Witch, Alpha,* and *Argentina.* These charts show river soundings, topography, settlements, place-names, and other features along the riverbanks and cover the Paraguay River (sheets #1-#27); upper Parana River, above the junction with the Paraguay River (sheets #28-#42); upper Uruguay River, above Salto Grande (sheets #43-#44); and the Gualeguay River, in the vicinity of the city of Gualeguay, Entre Rio Province, Argentina (sheets #45-#46c). Scale is not shown but apparently is 2 inches to 1 nautical mile. (Filed as 341.7, #1-#46c)

A list indicating exact coverage of the individual sheets is included in related textual records.

URUGUAY RIVER

1410. MARTIN GARCIA CHANNEL (MOUTH OF PARANA AND URUGUAY RIVERS). 1876. 1 item (2 sections).

"Boca del Rio Parana . . . ." Tracing of a chart, compiled originally by Hunter Davidson of the Argentine Government, covering the area from Las Dos Hermanas Islands to Punta Pareda and showing extensive soundings. Sailing directions and other notes are in Spanish. 1:20,000. Source: U.S.S. *Nipsic,* 1884. (Filed as 341.5, #4 and #5)

1411. UPPER URUGUAY RIVER FROM SALTO, URUGUAY, TO PAGGI, ARGENTINA. 1876. 6 items.

Six tracings of charts, originally compiled by Hunter Davidson of the Argentine Government, showing topography and settlements along the riverbanks, the Brazilian navy yard at Itaquy, and other features. Included are enlarged plans of the Salto Grande area and the junction of the Uruguay and Cuareim rivers (boundary between Uruguay and Brazil). Most of the charts are at the scale of 1 inch to approx. 6 nautical miles. Source: U.S.S. *Nipsic,* 1883. (Filed as 341.5, #7a-#7f)

1412. LOWER URUGUAY RIVER AND MARTIN GARCIA CHANNEL. 1892. 2 items.

Parts of published British Admiralty charts, Nos. 1751 and 1938, covering the Martin Garcia Channel and the Uruguay River from Martin Garcia Channel to Paysandu. Notes, in red ink, relate to dangers and aids to navigation. 1 inch to approx. 1 nautical mile. Source: U.S.S. *Yantic.* (Filed as 343.16)

1413. LOWER URUGUAY RIVER AND MARTIN GARCIA CHANNEL. 1900. 2 items.

Published British Admiralty charts, Nos. 1751 (dated 1899) and 1938 (dated 1895), covering the Martin Garcia Channel vicinity and the Uruguay River from Martin Garcia Channel to Paysandu and annotated with additional soundings. Scale of both charts, 1 inch to approx. 1 nautical mile. Source: U.S.S. *Wilmington.* (Filed as 2121.23, #1 and #2)

PARANA RIVER

1414. PARANA RIVER DELTA. 1875. 2 items.

Manuscript charts of small tributaries at the mouth of the Parana River, including Arroyo Capitan, Jujan River, Caravelas River, and Rio de las Palmas. River soundings, dwellings, types of vegetation, and railroad wharves are shown. 1:8,000 and 1:60,000. Source: U.S.S. *Wasp.* (Filed as 341.13, #1 and #2)

1415. UPPER PARANA RIVER (POSADAS TO YGUAZU RIVER), MISSIONES PROVINCE, ARGENTINA. 1883. 1 item (2 sections).

Tracing of a chart, from a reconnaissance survey by Hunter Davidson of the Argentine Government, showing topography,

settlements, and place-names along the riverbanks. 1 inch to 2 nautical miles. Source: U.S.S. *Nipsic.* (Filed as 341.5, #6a and #6b)

1416. PARANA RIVER AND PART OF RIO DE LA PLATA, FROM BUENOS AIRES TO ROSARIO. 1900. 1 item (2 sections).
"Mapa de Navegacion Entre Buenos Aires Y Rosario." Map, published by the Ministerio de Obras Publicas, Republica Argentina, and forwarded by the U.S. Office of Naval Intelligence, showing hydrography. Insets: enlarged plans of Buenos Aires harbor, Rosario, and two river passes. 1:250,000. (Filed as 373.33, #1 and #2)

PARAGUAY RIVER

1417. TRIBUTARIES OF PARAGUAY RIVER, SOUTHERN BRAZIL. 1849. 9 items.
Rough manuscript charts and tracings of the San Lorenzo (or San Lourenco) and Cuyaba (or Cuiaba) Rivers, supposed to have been surveyed by Lt. Charles Wilkes, U.S. Navy, showing the course of the rivers, place-names, and a few topographic features. Wilkes' name is not on any of the charts, and there are no titles. An identification sheet filed in related textual records of the Hydrographic Office gives the following information: "Preliminary charts of a supposed survey of Cuiaba and San Lourenco rivers—by Lt. Wilkes, U.S.N. and Augusto Leverger—supposed to be Draughtsman." Scales vary. (Filed as 342.7, #1a-#3)

Falkland Islands

1418. STANLEY HARBOR, WITH PORTS WILLIAM AND HARRIET. 1870. 1 item.
Privately printed chart, annotated with a marginal note relating to a shoal, showing hydrography, coastal topography, settlements, and sailing directions. 1 inch to 1 nautical mile. Source: U.S.S. *Lancaster.* (Filed as 341.54)

Colombia, Pacific Coast

1419. CHIRI CHIRI BAY. 1873. 2 items.
Two manuscript versions of a chart of the bay showing hydrography and topography. One copy also shows the "Mouth of proposed [interoceanic] canal." 1:10,000. Source: U.S.S. *Tuscarora.* (Filed as 282.11, #1 and #2)

Ecuador

1420. COAST OF ECUADOR. 1890. 6 items.
Published H.O. chart (No. 764, dated 1876) of the coast of Ecuador from Ayangui Point to Verde Point and chart of Santa Elena Bay, Salango Island Anchorage, and the mouth of the Caraquez (Caracas) River (British Admiralty chart No. 2799, dated 1882), both containing annotations relating to triangulation work; rough sounding sheet of Cape Pasado Anchorage; and three attached sheets of sailing directions. Scales vary. (Filed as 282.64, #8-#10)

1421. SANTA ELENA BAY. 1884. 1 item.
Small tracing showing soundings, a customhouse, and a landing. Scale is not shown. Source: U.S.S. *Wachusett.* (Filed as 381.5)

1422. SANTA ELENA BAY TELEGRAPH CABLES. 1894. 1 item.
Published chart of Santa Elena Bay (H.O. chart No. 1123, dated 1890), annotated by the Central and South American Telegraph Co. to show underwater cables. Also shown are hydrography and coastal topography. Approx. 2 inches to 1 nautical mile. (Filed as 153.19)

1423. ENTRANCE TO GUAYAQUIL RIVER. 1886. 1 item.
Manuscript survey chart covering Green Island and parts of Mondragon and Puna Islands and showing hydrography, navigational bearings, and settlements. Scale is not shown. Source: U.S.S. *Iroquois.* (Filed as 382.13)

GALAPAGOS ISLANDS

1424. GALAPAGOS ISLANDS, PACIFIC OCEAN. 1908. 3 items.
Parts of published Hydrographic Office charts, No. 1798 (a general chart of the islands) and No. 1801 (a composite of five harbor plans in the islands), annotated by the captain of the schooner *Academy* to

show additional harbor depths, rocks, anchorages, and a settlement on Isabela Island. Also included is another part of published H.O. chart No. 1798, annotated by Alban Stewart with minor corrections. Scales vary. (Filed as 561.54)

Peru

1425. PAITA HARBOR. 1884. 1 item.
Manuscript chart showing hydrography, coast topography, buildings, wharves, and a railroad. 1:5,000. Source: U.S.S. *Lackawanna.* (Filed as 182.8)

1426. PORT CHIMBOTE (FERROL BAY). 1872. 1 item.
Manuscript chart showing hydrography, coast topography, and buildings. Inset: view of the port and offshore islands. Approx. 4 inches to 1 nautical mile. Source: U.S.S. *Ossipee.* (Filed as 283.20)

1427. CALLAO BAY AND LIMA. 1903. 1 item.
Published chart of Callao Bay and Lima (H.O. chart No. 784, dated 1900), annotated by the Central and South American Telegraph Co. to show underwater cables. Also shown are hydrography, simplified plans of the cities of Callao and Lima, roads, railroads, and physical features. Approx. 1 1/4 inches to 1 nautical mile. (Filed as 172.15, #2)

Chile

1428. POINT ANGAMOS AND ROCK ABATAO, MEJILLONES BAY. 1870. 1 item.
Manuscript chart "copied from a sketch accompanying the Memoria de la Marina, published at Santiago, Chile–1870." Mejillones Bay is shown as part of Bolivia. Approx. 2 1/2 inches to 1 nautical mile. Source: U.S.S. *Onward.* (Filed as 282.17)

1429. MEJILLONES BAY. 1875-76. 2 items.
Tracing of a chart from a reconnissance in 1875 and similar chart prepared for publication in 1876. Both show hydrography, coast topography, a railroad to the "mines," a guano chute and wharf, and the village of Mejillones. Approx. 2 inches to 1 nautical mile. Source: U.S.S. *Omaha.* (Filed as 283.10, #1 and #2)

1430. CALDERA HARBOR. 1876. 1 item.
Manuscript chart showing hydrography, a wharf, smelting works, a simplified plan of the town, and part of a railway. Approx. 4 inches to 1 nautical mile. Source: U.S.S. *Omaha.* (Filed as 183.28)

1431. COQUIMBO BAY. 1871. 1 item.
Manuscript chart, constructed during search for a reported rock, showing hydrography, coast topography, buildings, and a coal pier. Approx. 8 inches to 1 nautical mile. Source: U.S.S. *Ossipee.* (Filed as 282.1)

1432. APPROACHES TO VALPARAISO. Ca. 1900. 1 item.
Blueprint chart, "Enlarged from original by F. R. Simonton," showing soundings. 1 inch to approx. 2 nautical miles. (Filed as 5112.38)

1433. VALPARAISO BAY. 1903. 1 item.
Published chart of Valparaiso Bay (H.O. chart No. 1117, dated 1899), annotated by the Central and South American Telegraph Co. to show old and relaid submarine cables. Also shown are hydrography, coast topography, a simplified plan of the city, roads, and railroads. Approx. 4 inches to 1 nautical mile. (Filed as 172.15, #1)

1434. JUAN FERNANDEZ ISLAND, OFF THE COAST OF CHILE. 1876. 2 items.
Rough plotting sheet and revised chart of the island showing topography and placenames. Approx. 1 1/4 inches to 1 nautical mile. Source: U.S.S. *Omaha.* (Filed as 183.27, #1 and #2)

1435. CONCEPCION BAY. 1873. 1 item.
Published chart of Concepcion Bay (British Admiralty chart No. 1319, dated 1873), annotated to show corrections to shoals. Also shown are hydrography, coast topography, simplified plans of the towns of Concepcion and Talcahuano, and roads. Included are remarks on economic products, the availability of water, and related

information. 1 inch to approx. 1 nautical mile. Source: U.S.S. *Portsmouth.* (Filed as 382.73, #3)

1436. CONCEPCION BAY. 1873. 1 item.
Manuscript chart showing hydrography and simplified plans of Talcahuano and other towns. Insets: two views of the shoreline. 1:30,000. (Filed as 382.73, #2)

1437. BELEN BANK, CONCEPCION BAY. 1873. 1 item.
Manuscript plan of the shoal showing soundings. 1:2,000. Source: U.S.S. *Portsmouth.* (Filed as 382.73, #1)

1438. CONCEPCION BAY AND SAN VICENTE BAY. Ca. 1904. 1 item.
Blueprint copy of a British Admiralty chart, submitted by the Chilean Hydrographic Office in 1904, covering San Vicente Bay and the mouth of the Rio Biobio and showing hydrography, topography, the railway to the city of Concepcion, farmhouses, villages, and remarks on sailing direction and the availability of food, wood, and water. Inset: plan of Tome Bay. Approx. 1 1/4 inches to 1 nautical mile. (Filed as 472.25)

1439. PORT SAN VICENTE. 1901. 1 item.
Published Chilean chart No. 90 (dated 1900) of Port San Vicente, submitted by the Chilean Hydrographic Office, 1901, showing hydrography, coast topography, the town of Talcahuano, and railroads. Inset: landscape view. 1:30,000. (Filed as 4122.7)

1440. PORT QUELLON, ON CHILOE ISLAND. 1905. 1 item.
Manuscript chart, submitted by the Chilean Hydrographic Office, showing shoals, beacons, and additions to the existing published chart of the port. Approx. 1 inch to 1 nautical mile. (Filed as 193.5)

1441. ISLA HUAMBLIN (OR GUAMBLIN), CHONOS ARCHIPELAGO, SOUTHERN CHILE. 1900. 1 item.
Printed chart from the Chilean Hydrographic Office, showing topography and hydrography of the island and annotated with notes to the engraver. 1:100,000. (Filed as 5121.12)

1442. WATERWAYS OF SOUTHERN CHILE. 1883-85. 2 items.
Two published charts, forwarded as enclosures to correspondence from the U.S. Light-House Board, relating to the U.S. Lighthouse steamer *Madrono.* Included are H.O. chart No. 570 (dated 1885) of the Indian Reach or Canal Messier, between Wellington Island and Exmouth Peninsula, and British Admiralty chart No. 631 (dated 1883) of Smyth Channel, at the western entrance to Magellan Strait. Large scale. (Filed as 382.6, #1 and #2)

1443. MAYNE HARBOR (PUERTO MAYNE), SARMIENTO CHANNEL, SOUTHERN CHILE. 1886. 1 item.
"Mayne Harbor, Sarmiento Channel, Owen Islands." Manuscript chart, forwarded as an enclosure to correspondence relating to a reported shoal, showing hydrography and small islands. Approx. 11 inches to 1 nautical mile. Source: U.S.S. *Vandalia.* (Filed as 382.17)

1444. SKYRING GULF (AGUAS DE SKYRING), SOUTHERN CHILE. 1877. 1 item.
Published Chilean chart No. 12, "Aguas de Skyring," a composite of harbor plans of Las Minas and Puerto de Altamirano. Large scale. Source is not given. (Filed as 342.9)

1445. TRACK OF PATAGONIA EXPEDITION. 1877. 1 item.
"Derrotero de la Espedicion a la Patagonia Verificado por el Tte. 20. J. T. Rogers, el Guardia marina L. V. Contreras, i el naturalista E. Ibar. 1877." Chart, "copied by W. I. Chambers, Ensign, U.S.N.," and annotated in vicinity of Skyring Gulf (Aguas de Skyring) with a grid pattern and notes relating to coal mines and the extent of water, covering part of Chile and Argentina north of the Strait of Magellan and showing route of the expedition, topography, and place-names. 1 inch to approx. 15 nautical

miles. Source: U.S.S. *Marion,* 1881. (Filed as 341.41)

1446. PORPOISE (GRETTON) BAY AND SEAGULL HARBOR, WOLLASTON ISLAND, TIERRA DEL FUEGO. 1839. 1 item.
"Sketch of Porpoise-Bay & Survey of Seagull Harbour Wollaston's Island . . . ." Manuscript chart showing soundings, placenames, and tracks of the U.S.S. *Seagull.* Corrections were made on the chart at a later date. Scale, in pencil, is "3,000 feet to the inch." Source: Wilkes exploring expedition. (Filed as 272.24, #17)

1447. SEAGULL HARBOR, WOLLASTON ISLAND, TIERRA DEL FUEGO. 1839. 1 item.
"Seagull Harbor Gretton Bay Wollaston Island Tierra del Fuego By the U.S. Ex. Ex. 1839." Manuscript chart showing soundings and topographic features. 1 inch to 1,000 feet. Source: Wilkes exploring expedition. (Filed as 272.24, #18)

1448. PROPOSED BOUNDARIES BETWEEN CHILE AND ARGENTINA, TIERRA DEL FUEGO AND VICINITY. 1881. 1 item.
"Carta Que demuestra las diversas proposiciones de arreglo de la cuestion de limites Chileno-Arjentina." Printed chart furnished by the Chilean Hydrographic Office. Approx. 1:2,000,000. (Filed as 382.34, #1)

1449. TIERRA DEL FUEGO AND VICINITY. 1887. 1 item.
"Tierra Del Fuego. Tracings showing the boundary line between Chile and the Argentine Republic; also the Rivers, Plains, etc., just discovered by the Exploring Expeditions respectively of Julius Popper and Ramon Kista. E. L. Baker, Buenos Ayres, June 3d, 1887." Printed map showing silver, copper, gold, and coal mines, an English mission at Ushvia, and place-names and covering an area south of latitude 51° S. and east of longitude 73° W. (Filed as 382.34, #2)

EUROPE AND THE EASTERN MEDITERRANEAN

1450. KIEL (KAISER WILHELM) CANAL. 1895. 2 items.
"Nord-Ostsee-Kanal." Two privately printed maps in German, both with the same title. One is dated 1895; the other is undated but of approximately the same date. Both maps show towns, roads, and other landscape features adjacent to the canal and inset topographic profiles and plans. Scale of both maps, 1:100,000. Source: U.S.S. *Buffalo,* 1901. (Filed as 492.27)

1451. ENTRANCE TO WESER RIVER, GERMANY. 1887. 1 item.
"Segelanweisung fur die Befahrung der Weser zur Nachtzeit." Printed chart, received from the Branch Hydrographic Office at Baltimore, 1888, containing descriptive text. 1:100,000. (Filed as 351.46)

1452. ENTRANCES TO BALTIC SEA, DENMARK. 1903. 4 items.
Published charts of the entrances to the Baltic Sea, including the Kattegat, Great Belt, Little Belt, and Kiel Bay (British Admiralty charts, Nos. 326, 2114, 2117, and 2994). The charts, which were annotated to show correct courses and bearings for clearing dangers to navigation, also indicate hydrography, coastal topography, settlements, and roads. Insets: views of shorelines. Scales vary. (Filed as 172.7)

1453. RIVER TYNE IMPROVEMENTS, SCOTLAND. 1889. 2 items.
"River Tyne Improvements. Chart of the River Tyne from the Sea to Wylam . . ." and "Longitudinal Section on the Central Line of River Tyne from the Sea to Wylam." Printed charts showing soundings, settlements, roads, railroads, urban areas, and other features along the river. Approx. 2 inches to 1 statute mile. Source: U.S.S. *Albany,* 1900. (Filed as 5113.46, #1 and #2)

1454. SPITHEAD HARBOR, ENGLAND. 1902. 1 item.
Published British Admiralty chart of Spithead Harbor, overprinted to show the positions of British naval and merchant fleets

for review, June 28, 1902. Many individual ships are named. Approx. 5 inches to 1 nautical mile. (Filed as 5123.25)

1455. SOUTHAMPTON DOCKS, ENGLAND. 1896. 1 item.
"Plan of Southampton Docks and Harbor. 1896." Chart printed by the South Western Railway Co., signed by John Dixon, dock superintendent, and forwarded by the U.S. consul. 1 inch to 300 feet. (Filed as 5103.37a)

1456. PLYMOUTH HARBOR, ENGLAND. 1895. 1 item.
"Chart of the Port of Plymouth." Printed chart, distributed by agents of the Channel Coaling Co., Ltd., of Plymouth and forwarded by the U.S. consul, showing harbor soundings, landmarks, navigation aids, and coal depots. An attached sheet gives towage rates. Scale is not shown. (Filed as 5103.24)

1457. GHENT DOCKS AND TERNEUZEN CANAL, SCHELDT RIVER, BELGIUM. 1888. 5 items.
Chart enclosures to a U.S. consular report to the State Department about transportation on the Scheldt River. Included are a general plan of Ghent docks (1:5,000) and four plans relating to the Terneuzen Canal (1:15,000). Charts are printed in French, with notes in English. (Filed as 351.51, #1-#5)

1458. SEINE RIVER PROFILE, FRANCE. 1878. 1 item.
Manuscript profile (labeled in French) of river from Le Havre to Rouen showing depth changes from 1840 to 1875. Source: U.S.S. *Wyoming.* (Filed as 351.11)

1459. LE HAVRE AND TANCARVILLE CANAL, FRANCE. 1888. 5 items.
Printed historical plans, forwarded by the Branch Hydrographic Office in New York, showing the Le Havre vicinity as of 1530, 1780, 1838, and 1887. Also included is a bird's-eye view of Tancarville Canal, "located 1 kilometer from the old port of Harfleur." Small scale. Source: local chamber of commerce. (Filed as 351.48, #5)

1460. MOUTH OF THE SEINE RIVER, FRANCE. 1892-1904. 4 items.
Printed charts, in French, of the estuary of the Seine, showing coastal landmarks and changes in the deepwater channel as of 1892, 1894 (two versions), and 1902. The Hydrographic Office received the charts from various sources. Scale of all charts, 1:80,000. (Filed as 361.35, #1-#4)

1461. ST. NAZAIRE HARBOR AND MOUTH OF THE LOIRE RIVER, FRANCE. 1887. 1 item.
"Carte des Atterrages de St. Nazaire." Printed chart showing hydrography, coast topography, and place-names. Descriptive "Notes on the Port of St. Nazaire Presented to the Chamber of Commerce By M. Jehan Secretary General of the Geographical Commercial Society" refer to docks, channels, lighthouses, and related topics. 1 inch to approx. 1 nautical mile. (Filed as 3112.3)

1462. TELEGRAPH LINES IN THE WESTERN MEDITERRANEAN REGION. 1886. 1 item.
Published map of southwest Europe and northwest Africa, in French, without title, formerly in the files of the U.S. Office of Naval Intelligence. Both marine and land telegraph lines are shown. Approx. 1:5,000,000. (Filed as 141.46, #4)

1463. EL FERROL HARBOR, NORTHWEST SPAIN. 1893. 1 item.
Tracing showing navigation aids, dockyards, coastal villages, and forts. Scale is not shown. Source: U.S.S. *Bennington.* (Filed as 361.31, #1)

1464. LISBON HARBOR DOCKS, PORTUGAL. 1904. 1 item.
"Plan General Des Installations Maritimes." Chart from the pamphlet "Le Port de Lisbonne," printed in Lisbon. Source is not identified. 1:5,000. (Filed as 351.76)

1465. BAR AT HUELVA, GULF OF CADIZ, SOUTHWEST SPAIN. 1892. 1 item.
Annotated blueprint chart submitted as part of a report on "Barra de Huelva." Large scale. Source: U.S.S. *Bennington.* (Filed as 363.34)

1466. STRAITS OF GIBRALTAR, TIDAL ZONES. 1891. 1 item.

Tracing showing tidal zones along the Spanish and African shorelines. Attached legend gives tidal data compiled by the Royal Navy. Scale is not shown. Source: U.S.S. *Monongahela.* (Filed as 462.37)

1467. SHOAL AT MALAGA HARBOR, EAST COAST OF SPAIN. 1875. 1 item.

Large-scale manuscript chart showing results of a search for a reported shoal. Source: U.S.S. *Congress.* (Filed as 462.7)

1468. HARBOR WORKS AT MALAGA, EAST COAST OF SPAIN. 1893. 1 item.

"Plano de Malaga. Ano de 1892." Printed plan, with annotations relating to harbor works, showing streets and prominent buildings near the harbor. 1:5,000. Source: U.S.S. *Bennington.* (Filed as 372.19)

1469. PORT GRAO (HARBOR FOR VALENCIA), EAST COAST OF SPAIN. 1873. 4 items.

Four manuscript plans, originally from a U.S. consular report, forwarded as part of a report by the U.S.S. *Alaska*—"old" and "new" plans of the harbor, showing the effect of currents and wind from the northeast; general plan of the harbor and adjacent topography; and chart of the Gulf of Valencia showing the location of Port Grao. Scales vary. (Filed as 462.28, #1-#4)

1470. TARRAGONA HARBOR, EAST COAST OF SPAIN. 1869. 1 item.

Tracing of a chart of the harbor, corrected to 1869, showing breakwaters, soundings, Royal Fort, and other shoreline features. 1 inch to approx. 300 feet. Source: U.S.S. *Vandalia.* (Filed as 363.10, #5)

1471. BARCELONA HARBOR, EAST COAST OF SPAIN. 1892. 1 item.

Plan of the harbor on tracing cloth, forwarded as part of a report by the U.S. consul, showing harbor facilities and a few soundings. 1:5,000. (Filed as 462.43)

1472. MARSEILLES HARBOR, SOUTH COAST OF FRANCE. 1874. 1 item.

Manuscript plan showing docks and basins. Large scale. Source: U.S.S. *Congress.* (Filed as 462.6)

1473. COAST AND HARBOR VIEWS, ITALY, SARDINIA, AND GREECE. Ca. 1877. 13 items.

Pencil and ink sketches received from the U.S.S. *Gettysburg*, some apparently drawn by Lt. G. P. Colvocoresses: Livorno (Leghorn) Harbor, west coast of Italy; Straits of Bonifacio, Sardinia (Cape Ferro, Biscie Island, and Marginetto Point); Cape Matapan, southernmost point of Greece; Imperia, or Porto Mauricio Oneglia, northwest coast of Italy; Carloforte, Island of San Pietro, southwest Sardinia; and La Spezia Harbor, northwest coast of Italy (showing mountains and ships in harbor). One view is unidentified. (Filed as 362.38, #1a-#5c and #7-#10)

1474. TYRRHENIAN SEA SOUNDINGS. 1877. 1 item.

Manuscript chart of deep-sea soundings. 1 inch to approx. 10 nautical miles. Source: U.S.S. *Gettysburg.* (Filed as 362.49, #3)

1475. AVENZA ROADSTEAD, NORTHWEST COAST OF ITALY. 1877. 2 items.

Manuscript chart of "Avenza Road" (marked for publication as H.O. chart No. 845) showing soundings, buildings, topographic features, and "deposit of marble in blocks"; and an attached view of the harbor, a drawing by Lt. G. P. Colvocoresses. The roadstead is located near the harbor of La Spezia. Approx. 8 inches to 1 nautical mile. Source: U.S.S. *Gettysburg.* (Filed as 362.41)

1476. RIO MARINA HARBOR, ELBA ISLAND, WEST COAST OF ITALY. 1877. 1 item.

Tracing showing harbor facilities. Large scale. Source: U.S.S. *Gettysburg.* (Filed as 462.8, #16)

1477. TORRE ANNUNZIATA HARBOR, BAY OF NAPLES, WEST COAST OF ITALY. 1871. 2 items.

Manuscript chart (in color) and tracing, both in Italian, showing breakwaters, streets, and cultivated fields. Large scale. Source: U.S.S. *Gettysburg,* ca. 1877. (Filed as 362.49, #1 and #2)

1478. SOUTHERN ITALY AND PART OF SICILY. 1877. 1 item.

"Chart showing inaccuracies of the French and English surveys discovered by the Italian survey now in progress. Prepared at the Hyd. Office Genoa May 1877. Respectively forwarded to the Bureau of Navigation Henry H. Gorringe Lt. Comd. Comdg. U.S.S. *Gettysburg*." Part of an 1872 published French chart annotated to show the corrected position of the shoreline along all coasts, a few corrected place-names, and a note on a deep-sea shoal. 1 inch to approx. 13 nautical miles. (Filed as 362.49, #3)

1479. PALERMO HARBOR, NORTH COAST OF SICILY. 1882. 1 item.

Manuscript chart showing hydrography, streets, and prominent buildings in the adjacent part of the city. Approx. 15 inches to 1 nautical mile. Source: U.S.S. *Lancaster.* (Filed as 362.11)

1480. PALERMO HARBOR, NORTH COAST OF SICILY. 1895. 1 item.

"Pianta del Porto di Palermo." Tracing of an Italian chart showing hydrography and harbor facilities. 1:2,000. Source: U.S.S. *San Francisco.* (Filed as 293.20)

1481. CATANIA HARBOR, EAST COAST OF SICILY. 1867. 1 item.

Tracing of a plan of the Harbor, originally surveyed by H.M.S. *Hydra,* showing harbor facilities, roads, and prominent buildings. 1 inch to 300 feet. Source: U.S.S. *Gettysburg,* ca. 1877. (Filed as 462.8, #7a)

1482. CATANIA HARBOR, EAST COAST OF SICILY. 1890. 1 item.

"Planimetric Generale del Porto." Printed Italian chart annotated to show individual buildings and forwarded as part of a report by the U.S. consul. Inset plans show the area around the harbor and cross sections of moles. 1:8,000. (Filed as 372.8)

1483. TARANTO HARBOR, SOUTH COAST OF ITALY. 1896. 1 item.

Published Italian chart No. 183 (dated 1894), annotated to show a naval magazine and aids to navigation, indicating hydrography, a simplified plan of the city, important buildings, names of estates and settlements in the surrounding area, and roads. 1:10,000. Source: U.S.S. *Minneapolis.* (Filed as 231.43)

1484. PORT OF SYRA OR HERMOUPOLIS, SYROS ISLAND, CYCLADES GROUP, GREECE. Ca. 1877. 1 item.

Tracing showing proposed improvements to the harbor. Large scale. Source: U.S.S. *Gettysburg.* (Filed as 462.8, #2)

1485. MERSINA ROADSTEAD, TURKEY. 1894. 1 item.

Manuscript chart showing the town and a few landmarks, including a mosque, a boat landing, and a lighthouse, and the ship's anchorage position. Approx. 1 1/2 inches to 1 nautical mile. Source: U.S.S. *Chicago.* (Filed as 372.35)

1486. MERSINA ROADSTEAD, TURKEY. 1896. 2 items.

Manuscript chart and tracing. The chart shows soundings, triangulation stations used in the survey, a simplified plan of the town, and an adjacent village. The tracing shows a reduced number of soundings selected from the original chart. 1:17,500. Source: U.S.S. *Marblehead.* (Filed as 591.6, #1 and #2)

1487. SEARCH FOR A REPORTED SHOAL IN GULF OF SMYRNA, TURKEY. 1878. 1 item.

Sketch of the southern part of the Gulf showing soundings taken by the U.S.S. *Vandalia* (1878), soundings apparently taken previously by the U.S.S. *Alliance* (n.d.), and part of a track of the U.S.S. *Trenton* (n.d.). Scale is not shown. (Filed as 363.10, #8)

1488. BEIRUT HARBOR, LEBANON. 1894. 1 item.

"Plan Du Port De Beyrouth." Blueprint copy of original, with annotations in English, showing harbor facilities. 1:2,000. Source: U.S.S. *Chicago.* (Filed as 372.36)

AFRICA

1488a. EGYPTIAN SUDAN. 1884. 1 item.
Map, published by the Office of the Chief of Engineers, War Department, covering an area centering on Khartoum and Berber in what is now northern Sudan and showing physical features, settlements, telegraph lines, and locations of Arab ethnic groups. 1:2,253,080 or approx. 1 inch to 35 miles. (Filed as 363.15, #3)

1489. SUEZ BAY AND SOUTH ENTRANCE TO SUEZ CANAL, EGYPT. 1908. 3 items.
Published chart of Suez Bay (British Admiralty chart No. 734, dated 1906) and two supplementary sounding charts in French, annotated to show soundings at Spit Buoy and Newport Rock. The British Admiralty chart shows coastal topography, the south entrance to the canal, and a simplified plan of the city of Suez. Insets: plans of lighthouses. Approx. 2 inches to 1 nautical mile. Source: U.S.S. *Alabama.* (Filed as 531.6)

1490. SUEZ CANAL. 1870. 3 items.
Records relating to an examination of the Suez Canal—tracing of a British Admiralty plan of the canal, annotated with additional soundings; manuscript depth profile of the canal at the 24th kilometer; and printed sheet showing signal flags used in canal navigation. Scale of chart, 1 inch to approx. 1 nautical mile. Source: U.S.S. *Palos.* (Filed as 362.30)

1491. ALEXANDRIA HARBOR, EGYPT. 1887. 1 item.
Tracing of a chart of the harbor, with additional information, in red ink, about proposed improvements. The limits of the property of "Mess' Greenfield and Co." are shown. Large scale. Source: U.S.S. *Quinnebaug.* (Filed as 371.26)

1492. COASTS OF LIBYA, TUNISIA, AND VICINITY. 1878. 1 item.
"Skeleton of a chart proposed by Lt. Comdr. Gorringe. Copied from various French and English Charts by Lt. Colvocoresses, U.S.N." Unfinished chart of the coasts of Libya, eastern Tunisia, Malta, and the southern tip of Greece (the Tunisian coast shown in ink; the remainder of the chart roughly penciled in) showing numerous place-names, some topography, ruins in Libya, and soundings off Tunisia. 1 inch to approx. 20 nautical miles. Source: U.S.S. *Gettysburg.* (Filed as 462.3)

1493. ZUAGA COAST AND REEF, LIBYA. 1878. 1 item.
"Zouagah Reef." Manuscript chart of part of the coast west of Tripoli showing soundings, topography, the Oasis of Zouagah, a hut, and ruins. 4 inches to 1 nautical mile. Source: U.S.S. *Gettysburg.* (Filed as 362.38, #1)

1494. GULF OF SIDRA, LIBYA. 1878. 1 item.
Manuscript chart of soundings along the coast. The shoreline and a few names of islands and capes are indicated. 1 inch to 10 nautical miles. Source: U.S.S. *Gettysburg.* (Filed as 362.38, #2)

1495. GULF OF SIDRA, LIBYA. 1878. 1 item.
Manuscript chart showing offshore rocks near Garah Island, south of Benghazi. 5 inches to 1 nautical mile. Source: U.S.S. *Gettysburg.* (Filed as 362.38, #3)

1496. GULF OF SIDRA, LIBYA. Ca. 1878. 1 item.
Ink sketch of the shoreline as viewed from "Gettysburg Rocks" (exact location not shown). Source: U.S.S. *Gettysburg.* (Filed as 362.38, #11)

1497. HARBOR ON LAMPEDUSA ISLAND, MEDITERRANEAN SEA. Ca. 1877-78. 1 item.
View of harbor, in ink. Lampedusa Island is located between Malta and Tunisia. Source: U.S.S. *Gettysburg.* (Filed as 362.38, #6)

1498. TABARKA ISLAND, TUNISIA. 1877. 1 item.
Ink drawing of "Tabarca Island" as viewed "from E. Roadstead" by Ens. M. A. Shufeldt and Midshipman H. A. Johnson. It

shows hilltop fortress. Source: U.S.S. *Gettysburg.* (Filed as 362.38, #12)

1499. DESERT BASIN OF THE CHOTTS, TUNISIA AND ALGERIA. 1876. 1 item.

"Chart of the Basin of the Chotts By Captain Roudaire 1876." Small tracing showing smooth-surfaced desert basins, topography, place-names, wells, and limits of inundated basins. Insets: scheme of triangulation used in the original survey and topographic profile. 1:800,000. Source: U.S.S. *Gettysburg,* 1878. (Filed as 362.44)

1500. PORT OF BONE (ANNABA), ALGERIA. 1905. 2 items.

"Port de Bone." Two duplicate printed French maps (submitted by the U.S. consul at Bone), one annotated to show corrections relating to the harbor. Shown are streets, buildings, canals, harbor facilities, and outlying villages. 1:5,000. (Filed as 281.24, #1 and #2)

1501. ALGIERS HARBOR, ALGERIA. 1895. 1 item.

"Port of Algiers for showing positions of buoys (moorings) only." Large-scale tracing, part of a hydrographic report received from the U.S.S. *San Francisco.* (Filed as 163.12)

1502. PROPOSED HARBOR, JUDIOS BAY, TANGIER, MOROCCO. 1906. 1 item.

Tracing of a plan of a proposed harbor at Judios, located west of the city of Tangier, including a cross section of the proposed breakwater. Large scale. Source of tracing is unknown. (Filed as 2103.17)

1503. SIERRA LEONE. 1901. 1 item.

"Map of Sierra Leone (Provisional Issue) Compiled in the Intelligence Division, [British] War Office. 1898." Revised edition with district boundaries amended in 1901, received in the Hydrographic Office archives in 1903. Shown are types of districts, settlements, rivers, trails, and a few penciled annotations. 1:506,880 or 1 inch to 8 miles. (Filed as 182.26)

1504. HISTORICAL BOUNDARIES OF LIBERIA. Ca. 1886. 1 item.

Undated printed map in French showing changes in Liberia's boundaries from 1822 to 1874. It was annotated in 1886 to show "present boundary" in the northwest. Dates of acquisition of territories, place-names, and routes of the explorations made by Benjamin Anderson in 1868-69 and 1874 are shown. Inset: enlarged plan of the Monrovia vicinity. 1:2,000,000. Source: U.S.S. *Quinnebaug.* (Filed as 353.44, enclosure B)

1505. COAST OF LIBERIA AND PART OF THE IVORY COAST. 1843-44. 1 item.

"A Chart of a part of the West Coast of Africa showing a part of the extent of Coast upon which the U.S. Squadron under Commodore M. C. Perry operated during parts of the months of November, December, and January 1843-44." Manuscript chart, covering the coast from Monrovia to Drewin, Ivory Coast, keyed to a legend giving locations of the residences and extent of territory occupied by "the kings and chiefs who signed the compact of the 14th of December 1843, in which they pledged themselves to protect the lives and property of all Americans"; an "Episcopal Mission Station from which the Reverend Mr. Payne and family were rescued by the Sloop of War *Decatur*"; the place where the ship *Mary Carver* was run ashore by natives; and villages destroyed by the American squadron. 1 inch to approx. 7 nautical miles. (Filed as 353.33, #1)

1506. CAPE MOUNT VICINITY, LIBERIA. 1879. 3 items.

Preliminary tracings showing the Sugury and Mahfah Rivers. Large scale. Source: U.S.S. *Ticonderoga.* (Filed as 353.5, #A-#C)

1507. CAPE MOUNT VICINITY, LIBERIA. 1879. 2 items.

Manuscript survey chart covering the Sugury and Mahfah Rivers and second manuscript version prepared for publication as Hydrographic Office chart No. 862, both showing hydrography, topography, and names of villages. 1:40,000. Source: U.S.S. *Ticonderoga.* (Filed as 353.5, #1 and #2)

1508. ROBERTSPORT, CAPE MOUNT VICINITY, LIBERIA. 1879. 2 items.

Manuscript chart showing dwellings, the Kroo village, and some topography.

Attached also is a reduced version of the chart on tracing cloth. Scale of manuscript chart, approx. 6 inches to 1 nautical mile. Source: U.S.S. *Ticonderoga.* (Filed as 353.11, #2)

1509. MONROVIA HARBOR, LIBERIA. 1879. 2 items.

Manuscript survey chart and tracing showing the location of the city, the entrance to the Mesurado River, coastal topography, the lighthouse, and soundings in the adjacent bay. 1:8,000. Source: U.S.S. *Ticonderoga.* (Filed as 353.11, #1; 353.9, #3)

1510. ST. PAUL RIVER, MONROVIA VICINITY, LIBERIA. 1879. 2 items.

Manuscript chart of the river from Monrovia to Nyumbahwah Rapids showing settlements, plantations, the Muhlenberg Mission, and campsites of the survey party (1 inch to 1 nautical mile), and large-scale plan of the Millsburg section of the river showing triangulation, a proposed wharf, and information about river depth and discharge (1 inch to 100 feet). Source: U.S.S. *Ticonderoga.* (Filed as 353.9, #1 and #2)

1511. FISHTOWN BAY, LIBERIA. 1844. 1 item.

"Chart of Fishtown Bay . . . Surveyed by order of Commodore M. C. Perry Commanding U.S. Naval Forces on the West Coast of Africa in February and March 1844. By Lieut. Thos. T. Craven U.S. Navy." Manuscript chart showing soundings, reefs, coastal topography, villages, a mission house, and a watering place. 1 inch to approx. 600 feet. (Filed as 353.33, #3)

1512. CAPE PALMAS ROADSTEAD, LIBERIA. 1879. 1 item.

Tracing showing soundings, shoals, the entrance to the river, and a shipwreck. Approx. 4 inches to 1 nautical mile. Source: U.S.S. *Ticonderoga.* (Filed as 353.7)

1513. MOUTH OF GABOON RIVER. 1877. 1 item.

Tracing, with additional soundings at Themis Bank indicated in red ink, showing hydrography and the location of a coal depot on the coast. Large scale. Source: U.S.S. *Essex.* (Filed as 353.19)

1514. SOUTHWEST COAST OF THE REPUBLIC OF SOUTH AFRICA. 1890. 1 item.

Part of British Admiralty chart No. 2082, ca. 1883, with additional soundings indicated in red ink, covering the coast of "Cape Colony" from Cape of Good Hope to Cape Agulhas and showing hydrography, coastal settlements, roads, place-names, and topography. 1 inch to approx. 3 1/2 nautical miles. Source: H.M.S. *Brisk.* (Filed as 483.4)

1515. TABLE BAY (CAPETOWN HARBOR), REPUBLIC OF SOUTH AFRICA. 1881. 2 items.

Tracings, possibly from a report by Sir John Goode (see also entry 1516) and forwarded to the Hydrographic Office in 1882, of "Drawing No. 1" and "Drawing No. 2" showing existing and proposed harbor improvements. Waterfront buildings are identified. Large scale. Source: U.S.S. *Marion.* (Filed as 341.42, #1 and #2)

1516. TABLE BAY (CAPETOWN HARBOR), REPUBLIC OF SOUTH AFRICA. 1881. 1 item.

"Drawing No. 2 Table Bay. Plan Shewing [sic] Future Outer Harbour Referred to in Sir John Goode's Report Dated Novr. 1880." Printed map accompanying "Report of the Table Bay Dock," published by the government printer at Capetown in 1881 and forwarded to the Hydrographic Office in 1885. 1 inch to 200 feet. Source: U.S.S. *Juniata.* (Filed as 473.22, #13)

1517. TABLE BAY HARBOR AND PART OF CAPETOWN, REPUBLIC OF SOUTH AFRICA. 1905. 1 item.

Printed map by R. H. Hammersley-Heenan, general manager and engineer in chief, showing proposed harbor works, reclamation areas, and part of the city of Capetown, including names of important buildings, the "Amsterdam Battery demolished," coastal forts, the "Kaffir Location," electric lamps, and railway lines. Large scale. Source: Harbour Board. (Filed as 571.12)

1518. RIVER INHAMISSENGO (ENTRANCE TO ZAMBEZI RIVER), MOZAMBIQUE. 1884. 1 item.

"River Inhamissengo. The best entrance to the Zambezi. Re-surveyed by Capt.

Augusto de Castilho, Portuga. R.N. 1884 . . . ." Tracing of a Portuguese chart showing soundings, shoals, and the shoreline. Approx. 3 1/2 inches to 1 nautical mile. Source. U.S.S. *Brooklyn.* (Filed as 473.3)

1519. SOUTHWEST COAST OF MADAGASCAR. 1889. 1 item.
Tracing of the shoreline between latitudes 21° and 25° S. and a single line of offshore soundings. Only two placenames are shown, Cape St. Vincent and "Fullear." 1 inch to approx. 12 nautical miles. Source: U.S.S. *Swatara.* (Filed as 473.54, #3)

1520. JOHANNA (ANJOUAN) ISLAND, COMORO GROUP, MOZAMBIQUE CHANNEL. 1889. 1 item.
Tracing of "Chart of Mr. G. Esson" showing harbors, anchorages, villages, and Fort Demony. 1 inch to approx. 1 1/2 nautical miles. Source: U.S.S. *Swatara.* (Filed as 473.54, #7)

1521. COAST OF JOHANNA (ANJOUAN) ISLAND, COMORO GROUP, MOZAMBIQUE CHANNEL. 1889. 1 item.
Tracing of the coast from "Stungeny Harbor to Patsy Estate" showing Patsy River, roads, beacons, soundings, and freshwater locations. Large scale. Source: U.S.S. *Swatara.* (Filed as 473.54, #6)

ASIA

1521a. TURKESTAN. 1885. 1 item.
Published map of Turkestan and the adjacent areas between the British and Russian dominions in Asia. Compiled during the Great Trigonometrical Survey of India (British), the map shows topography, roads, and towns. 1:2,027,520. (Filed as 363.15, #4)

Pakistan and India

1522. KARACHI HARBOR, PAKISTAN. 1888-89. 1 item.
"Plan of Karachi Harbour To Accompany Port Engineer's Administration Report for 1888-89." Printed plan, forwarded by the U.S. consular agent, 1890, showing harbor facilities, location of town, government house, the hospital, railway stations, the observatory, "Native Infantry Lines," and surrounding swamplands. 1 inch to 3,000 feet. (Filed as 483.5)

1523. MADRAS HARBOR, INDIA. 1906. 1 item.
Manuscript chart showing harbor facilities. Approx. 15 inches to 1 nautical mile. Source: German steamship *Wildenfels.* (Filed as 141.13)

Siberia, East Coast

1524. SIBERIAN COAST OF BERING STRAIT. 1855. 1 item (2 sections).
"U.S. North Pacific Surveying Expedition, Commander John Rodgers, Commanding. The Asiatic Coast of Behring's Straits. Surveyed in the U.S. Ship *Vincennes* . . . July and August 1855. Original Working Sheet No. _____." Manuscript chart, drawn by E. R. Knorr, covering the coast between latitudes 63° and 66°50′ N., including St. Lawrence Island, Anadir Bay, Straits of Seniavine, St. Lawrence Bay, and Diomede Islands, and showing the ship's track, soundings, coastal topography, dwellings, and villages. Mainland Siberia is labeled "Land of the Tchoukchis." 1 inch to approx. 5 nautical miles. (Filed as 181.36, #67)

1525. ST. LAWRENCE BAY AND LUTKE'S HARBOR, BERING STRAIT. 1855. 1 item.
"U.S. North Pacific Surveying Expedition, Lieut. John Rodgers, Commanding. St. Lawrence Bay, Showing Lutke's Harbor. By the U.S. Ship *Vincennes.* September 1885 . . . Original Working Sheet No. _____." Manuscript chart, drawn by E. R. Knorr, showing the ship's tracks, soundings, coastal topography, and

dwellings. It contains a verbal description of Lutke's Harbor, sailing directions, and a note about the natives. Insets: two views originally sketched by William Brenton Boggs, purser, and apparently redrawn by artist Edward M. Kern (whose name is not shown). 1 inch to approx. 1 nautical mile. (Filed as 181.36, #77)

1526. ST. LAWRENCE BAY AND LUTKE'S HARBOR, BERING STRAIT. 1855. 1 item.

Manuscript copy of map described in entry 1525, reduced for engraving. 1 inch to approx. 3 nautical miles. (Filed as 181.36, #78)

1527. STRAITS OF SENIAVINE, BERING STRAIT. 1855. 1 item (2 sections).

"U.S. North Pacific Surveying Expedition. Lieutenant John Rodgers, Commanding. The Straits of Seniavine, Behring's Straits. By the U.S. Ship *Vincennes* . . . Original Working Sheet No. _____ August & September 1855." Manuscript chart drawn by E. R. Knorr, with corrections to title and legend added in pencil in preparation for engraving. It shows the ship's tracks, soundings, coastal topography, and sailing directions. Mainland Siberia is labeled "Land of the Tchouktchis." Landscape views intended for final chart are not on this worksheet, even though title refers to views originally sketched by Purser William Brenton Boggs and redrawn by artist Edward M. Kern; they are on the printed version listed in entry 1528. 1 inch to 1 nautical mile. (Filed as 181.36, #68)

1528. STRAITS OF SENIAVINE, BERING STRAIT. 1855. 1 item.

Reduced printed version of chart described in entry 1527. Title varies slightly. Insets: enlarged plan of Glasenapp Harbor and two views of the shoreline, originally sketched by Purser William Brenton Boggs and redrawn by artist Edward M. Kern (whose name is not shown). 1 inch to approx. 2 1/2 nautical miles. (Filed as 181.36, #69)

1529. PROVIDENCE BAY, SIBERIA. 1905. 1 item.

Published chart of Providence Bay (H.O. chart No. 909, dated 1900), annotated in 1905 by Capt. A. G. Lampe of the American ship *Barbara Hernster* of Seattle to show corrections and received in the Hydrographic Office archives in 1907. Approx. 1 inch to 1 nautical mile. (Filed as 561.41)

1530. CAPE OLIUTORSKI VICINITY, BERING STRAIT. 1855. 1 item.

"Part of the East Coast of Siberia. Reconnoiterèd by the U.S. Ship *Vincennes* under the command of Lieut. John Rodgers, U.S.N. Commanding U.S. North Pacific Surveying Expedition. July 1855. Note: This sketch is probably not exact, but it is not far from the truth. The weather was very unfavorable for observing. It was misty and stormy." Manuscript chart covering the vicinity of Cape Oliutorski and showing some topography on the coast, the ship's track, and points where views of the shoreline were taken. A penciled notation by Rodgers reads, "To be revised, replotted, or rejected. There appear discrepancies in the astronomical positions." Insets: two views, apparently by artist Edward M. Kern. 1 inch to approx. 6 nautical miles. (Filed as 181.36, #79)

1531. EAST COAST OF SIBERIA FROM CAPE NAVARIN TO KAMCHATKA. 1905. 1 item.

Part of a published chart of the Bering Sea area (H.O. chart No. 68, n.d.), annotated by E. B. Hoffman to show sounding and place-name corrections and received from the U.S. Coast and Geodetic Survey. 1:4,000,000. (Filed as 551.7)

1532. NIKOLSKI ANCHORAGE ON KOMANDORSKI ISLAND, EAST OF KAMCHATKA. 1892. 3 items.

Tracing of the anchorage, manuscript view, and panoramic photograph. The tracing was apparently used by the Hydrographic Office as the basis for H.O. chart No. 1367. Approx. 3 inches to 1 nautical mile. Source: U.S. Fish Commission steamer *Albatross.* (Filed as 282.61)

1533. EASTERN SHORE OF SEA OF OKHOTSK (WEST COAST OF KAMCHATKA PENINSULA). 1855. 2 items (each in 2 sections).

"U.S. North Pacific Surveying Expedition, Lieut. John Rodgers, U.S.N. Comg. Ockhotsk Sea Sheet No. 1 [and No. 2] Running Survey by the Officers of the U.S. Steamer *John Hancock* . . . July, August and September 1855. Original Sheet No. _____. Constructed from the original data by E. R. Knorr." Two manuscript charts showing soundings, place-names, river mouths, and topography. A note describes the quality of coal of Coal Bay, and notes by E. R. Knorr refer to data from Russian charts. 1 inch to approx. 5 nautical miles. (Filed as 451.36, #38 and #39)

1534. NORTHERN OKHOTSK SEA. 1904. 1 item.

Photocopy of a Russian chart, annotated by "Captain Kirkwood" to show place-name corrections (all names are in Russian [Cyrillic] script), showing coastal rivers, settlements, topography, and limited soundings. Approx. 1:600,000. (Filed as 572.10)

1535. HARBOR OF AYAN, SEA OF OKHOTSK. 1855. 2 items.

"U.S. North Pacific Surveying Expedition. Commander John Rodgers, Comdg. Harbor of Ayan, Sea of Ochotsk. Surveyed by the U.S. Steamer *John Hancock* . . . September 1855." Two versions of "Original Working Sheet" plotted by E. R. Knorr, both showing soundings, topography, and dwellings at Ayan. 8 inches to 1 nautical mile. (Filed as 451.36, #25 and #26)

1536. SAKHALIN ISLAND AND MOUTH OF THE AMUR RIVER, SIBERIA. N.d. 1 item.

Tracing of an unidentified map, one of several tracings apparently received from the U.S. North Pacific Surveying Expedition of the 1850's. Parts of the island are identified as East, West, North, and South "Krafto." The tracing shows lands occupied by several native tribes; numerous settlements and place-names along the coasts and along the lower Amur River; and geographic positions (latitude and longitude) of certain places with symbols indicating names of earlier explorers used as sources (for explanation of symbols, see entry 1545). 1 inch to approx. 20 nautical miles. (Filed as 463.3, #8)

1537. DE KASTRI BAY, GULF OF TARTARY, SIBERIA. 1854. 1 item.

Tracing of a Russian chart, apparently received from the U.S. North Pacific Surveying Expedition, showing hydrography and settlements. Approx. 3 inches to 1 nautical mile. (Filed as 283.22, #11)

1538. NORTHERN KURILE ISLANDS. 1849. 1 item.

"Chart of Kurile Islands, New Archangelsk, 1849." Tracing "Copied from a chart of Capt. Hedges" and apparently received from the U.S. North Pacific Surveying Expedition of the 1850's. It covers the Kurile Islands from the lower Kamchatka Peninsula south to latitude 48° N. and shows place-names, hydrography, and topography. Insets: plan of an anchorage and four landscape views of islands. 1 inch to approx. 12 nautical miles. (Filed as 283.22, #13)

1539. VLADIVOSTOK HARBOR. 1880. 1 item.

Published Russian chart, dated 1876 and annotated by "M. O. V. Struve" in 1880 with translations of place-names into English and with notes "showing the meridian telegraphically determined." Buildings and coastal topography are indicated. 1:8,400. (Filed as 453.3)

Japan

1540. JAPAN (EXCEPT HOKKAIDO). Ca. 1850(?). 1 item.

Tracing of an unidentified map of "Nippon," one of several tracings apparently received from the U.S. North Pacific Surveying Expedition of the 1850's. It covers all of Japan except Hokkaido, the northernmost island, and shows cities, place-names, provincial names and boundaries, rivers, and numerous small islands. Geographic positions (latitude and longitude) of some of the islands are shown with

accompanying symbols indicating names of earlier explorers used as sources (for explanation of symbols, see entry 1545). Insets: views of Meac Sima islands (or Ass' Ears), located southwest of Kyushu; and a list of English and Japanese equivalents to types of terrain features. 1 inch to approx. 25 nautical miles. (Filed as 463.3, #2)

1541. SOUTHERN JAPAN. 1854-59. 1 item (3 sections).

"U.S. North Pacific Surveying Expedition Lieut. John Rodgers, U.S.N., Commanding. S.W. Part of Japan From the Surveys of the Expedition in 1854-55 with additions by Lieut. Comdg. John M. Brooke, U.S. Schr. *F. Cooper,* 1859, and from Dutch, English and Russian authorities. Original Working Sheet No. _____." Manuscript chart covering southern Honshu, Shikoku, and Kyushu Islands and small adjacent islands in the Korean Strait and south of Kyushu and showing coastal features, place-names, extensive soundings in the Inland Sea, and partial tracks of ships. 1 inch to approx. 7 nautical miles. (Filed as 451.36, #20)

1542. SOUTHERN JAPAN AND KOREA. 1854-59. 1 item.

"Japan From the Surveys of the U.S. North Pacific Surveying Expedition in 1854-55 Lieut. John Rodgers, U.S. N., Commanding with additions by Lieut John M. Brooke, U.S.N. in 1859 and from Dutch, English and Russian Authorities. In Two Sheets. Sheet No. 2." Southern half of a two-sheet printed map covering Japan and Korea south of Latitude 38° N. and showing hydrography, coastal settlements, place-names, river mouths, and a few topographic features. The interiors of the islands are largely unmapped. Insets: enlarged plans of Enora, Arari, Yedo, and Tago Bays, and Simoda (Shimoda) and Heda Harbors. 1 inch to approx. 25 nautical miles. (Filed as 451.36, #1)

1543. LIGHTHOUSES IN SOUTHERN JAPAN. 1899. 2 items.

Tracings, forwarded by the U.S. consul at Kobe, indicating positions of lighthouses in the Inland Sea and on the southern coast of Japan. Small scale. (Filed as 4113.34, #1 and #2)

1544. GRAPHIC INDEX TO JAPANESE ARMY MAPS OF JAPAN. 1899. 1 item.

Blueprint copy of map, forwarded by the U.S. Office of Naval Intelligence, showing coverage of 108 maps published by the Imperial Japanese Army Staff. None of the 108 maps are included. Small scale. (Filed as 3113.16)

HOKKAIDO AND TSUGARU STRAIT

1545. HOKKAIDO AND SOUTHERN KURILE ISLANDS. Ca. 1850(?). 1 item.

Tracing of an unidentified map of "Jeso," one of several tracings apparently received from the U.S. North Pacific Surveying Expedition of the 1850's. It shows geographic positions (latitude and longitude) of places, particularly islands, as reported by several explorers from 1643 to 1826; settlements; place-names; topography; and rivers. Insets: enlarged plans of the bay of "Atkesi" (Akishi, on the east coast) and the Tsugaru Strait. (Filed as 463.3, #6)

The following list of symbols is used to indicate names of earlier explorers who were sources for positions of places, and dates of their explorations:

Vr	de Vries, 1643
lap	la Perouse, 1786
Br	Broughton, 1797
Kr	Krusenstern, 1805
KrA	Krusenstern Atlas
Gol	Golovnin, 1811
Ric	Ricord, 1812
TJ	Takahasi Jakusaiman, 1826

1546. WEST COAST OF HOKKAIDO. 1855. 1 item (6 sections).

Large rough chart of the coast from a running survey by the U.S.S. *John Hancock* of the U.S. North Pacific Surveying Expedition. It shows the coastline, a single line of soundings, names of prominent capes, and points where views of the shoreline were taken. Insets: 13 views of capes, harbors,

and islands, probably by Edward M. Kern. 1 inch to approx. 2 nautical miles. (Filed as 451.36, #35a)

1547. WEST COAST OF HOKKAIDO. 1855. 1 item (3 sections).
"U.S. North Pacific Surveying Expedition Lieut. John Rodgers, U.S.N. Commanding. West Coast of Yezo Japan. Surveyed in the U.S. Str. *John Hancock* . . . July 1855. Original Working Sheet. Plotted by Lieut. H. K. Stevens, U.S.N." Large manuscript chart covering the coast from the Strait of Tsugaru to the Strait of La Perouse and showing lines of soundings and shoreline topography. Insets: plans of Romanzoff (Soya) Bay, located in La Perouse Strait, and of Otaroonai (Otaru) Bay. 1 inch to 3 nautical miles. (Filed as 451.36, #35b)

1548. TSUGARU STRAIT, BETWEEN HOKKAIDO AND HONSHU. 1855. 1 item (2 sections).
"U.S. North Pacific Surveying Expedition, Commander John Rodgers, Commanding. Straits of Tsoogar or Sangar, North of Japan, Surveyed in the U.S. Steamer *John Hancock* . . . July 1855. Original Working Sheet No. _____." Manuscript chart, projected by H. K. Stevens and E. R. Knorr and drawn by A. E. Hartman, showing soundings, coastal topography, settlements, and place-names. Insets: five views, unidentified as to exact location, by artist Edward M. Kern from original sketches by A. E. Hartman. 1 inch to approx. 1 nautical mile. (Filed as 451.36, #37)

1549. TSUGARU STRAIT, BETWEEN HOKKAIDO AND HONSHU. 1855. 1 item (4 sections).
"U.S. North Pacific Surveying Expedition Lieut. John Rodgers, U.S.N. Commanding. Straits of Tsugar or Sangar in the Northern Part of Japan Surveyed in the U.S. Steamer *John Hancock* . . . June & July 1855. Original Working Sheet No. _____." Large manuscript chart, projected by H. K. Stevens and E. R. Knorr and drawn by A. E. Hartman, showing soundings, coastal topography, settlements, and place-names. Insets: 12 views by artist Edward M. Kern from original sketches by A. E. Hartman. (Filed as 451.36, #24)

1550. TSUGARU STRAIT, BETWEEN HOKKAIDO AND HONSHU. 1855. 2 items.
Manuscript chart reduced for engraving and printed chart, both based on the charts described in entries 1548 and 1549, showing soundings, topography, sailing directions, and inset plans of Hakodate Harbor. The printed version also contains five views. Scale of both charts, 1 inch to approx. 3 nautical miles. (Filed as 451.36, #36 and #36a)

1551. HOKKAIDO ISLAND. 1875. 1 item.
Manuscript map, by Lt. M. S. Day, USN, surveyor in chief at Kaitakushi, "showing the progress of the survey" and topography, place-names, settlements, the coal region, and triangulation data in the coastal regions (interior of island is not mapped). 1:500,000. (Filed as 453.10, #1)

1552. URAKAWA ANCHORAGE, SOUTH COAST OF HOKKAIDO. 1874. 1 item.
Photocopy of a chart from a survey by Lt. M. S. Day, USN, surveyor in chief at Kaitakushi, showing hydrography, topography, and buildings. Legend is in Japanese. 1:5,000. (Filed as 453.10, #4)

1553. HAKODATE HARBOR, SOUTH COAST OF HOKKAIDO. 1854. 1 item.
"Harbor of Hakodadi Island of Yesso Surveyed by order of Commodore M. C. Perry By Lieut. W. L. Maury, Lieut. G. H. Preble, Lieut. J.[?] Nicholson, Lieut. A. Barbot. 1854." Rough plotting sheet showing lines of soundings, shoreline features, a town, villages, and topography. A penciled notation reads, "Lt. Maury wishes the variations observed and the result sent to the observatory in Washington—He fears that his compass may have been wrong." Approx. 3 inches to 1 nautical mile. (Filed as 451.36, #31)

1554. HAKODATE HARBOR, SOUTH COAST OF HOKKAIDO. 1854. 1 item.
Rough topographic chart, in pencil, covering coastal area surrounding the harbor apparently surveyed by the expedition under Commodore M. C. Perry and showing physical features, towns, villages, and cultivated fields. Approx. 3 inches to 1 nautical mile. (Filed as 451.36, #32)

1555. HAKODATE HARBOR, SOUTH COAST OF HOKKAIDO. 1855. 1 item.

"Harbor of Hakodadi in the Island of Jesso. Verification of the chart of Commodore Matthew C. Perry by the U.S. North Pacific Surveying Expedition, under the command of Lieut. John Rodgers, U.S.N. June, 1855. Original Working Sheet No. _____." Manuscript chart showing hydrography, topography, villages, vegetation cover, and cultivated fields. Inset: view of town and mountains, apparently by expedition artist Edward M. Kern (whose name is not shown). Approx. 3 inches to 1 nautical mile. (Filed as 451.36, #33a)

1556. HAKODATE HARBOR, SOUTH COAST OF HOKKAIDO. 1855. 1 item.

"The Harbor of Hakodadi in the Island of Jezo. By the U.S. North Pacific Surveying Expedition, Lieut. John Rodgers, U.S.N., Commanding. June 1855. Original Working Sheet No._____." Manuscript chart, annotated, apparently in preparation for engraving, showing hydrography, topography, villages, and cultivated fields. Approx. 3 inches to 1 nautical mile. (Filed as 451.36, #33b)

1557. AWANAI ANCHORAGE, ON OKUSIRI ISLAND, WEST COAST OF HOKKAIDO. 1881. 1 item.

Tracing, received from the U.S. Asiatic Fleet in 1882, of chart from an 1881 survey by H.M.S. *Flying Cloud*. It shows hydrography and topography. Approx. 2 inches to 1 nautical mile. (Filed as 453.19)

1558. LOWER ISHIKARI RIVER, WEST COAST OF HOKKAIDO. 1873. 2 items.

Photocopies of sheets 1 and 2 of a projected eight-sheet hydrographic reconnaissance chart of the Ishikari River by Lt. M. S. Day, USN, surveyor in chief at Kaitakushi, showing river soundings, a simplified plan of the town of Ishikari, and dwellings along the river banks. 1:10,000. (Filed as 453.10, #3 and #4)

1559. ISHIKARI BAY AND VICINITY, WEST COAST OF HOKKAIDO. 1897. 1 item.

Japanese published chart No. 347, Ishikari Bay and adjacent land areas, annotated in pencil to show English versions of Japanese place-names. The base chart shows hydrography and topography, including cultivated fields, the city of Sapporo, and smaller settlements. 1 inch to approx. 1 1/2 nautical miles. Source is not shown. (Filed as 3101.48)

HONSHU, EAST COAST

1560. EAST COAST OF HONSHU FROM SHIMODA (TOKYO BAY) TO TSUGARU STRAIT. 1855. 1 item (5 sections).

"U.S. North Pacific Surveying Expedition, Lieut. John Rodgers, U.S.N., Commanding. Reconnoissance [sic] of the East Coast of Nippon, Empire of Japan, From Simoda to Hakodati By the Launch of the United States Ship *Vincennes*, under the command of Lieutenant John M. Brooke, U.S.N., assisted by Edward M. Kern, Artist, and Richard Berry, Sailmaker. May 29th to June 17th 1855. Original Working Sheet." Large manuscript chart showing shoreline features, the track of the launch, and soundings. Insets: 38 views of the shoreline by Edward M. Kern and enlarged plan of Otsiura Harbor. 1 inch to approx. 3 1/2 nautical miles. (Filed as 451.36, #13)

1561. EAST COAST OF HONSHU FROM TSUGARU STRAIT TO IZU PENINSULA (TOKYO BAY). 1859. 1 item.

"From the chart of U.S. Japan Expedition Commo. M. C. Perry, with additions by Lt. J. M. Brooke 1859." Manuscript chart, apparently prepared for engraving, showing coastal topography, place-names, and soundings. Insets: 10 views of unidentified places along the coast, probably by artist Edward M. Kern (whose name is not shown), and enlarged plan of the Bay of Yedo (Tokyo). 1 inch to approx. 17 nautical miles. Source: J. M. Brooke Expedition to the Pacific, to China, and to Japan in the U.S.S. *Fenimore Cooper*. (Filed as 463.1, #3)

1562. YAMADA (NANBU) HARBOR, NORTHEAST COAST OF HONSHU. 1871. 1 item.

Photocopy of a British chart of Yamada (formerly Nanbu) Harbor, originally surveyed by the H.M.S. *Sylvia* and forwarded

with records of the U.S.S. *Monocacy* and other American vessels, showing hydrography, the shoreline, and settlements. Approx. 2 inches to 1 nautical mile. (Filed as 453.23, #18)

1563. SENDAI (SUNDAI) BAY, NORTHEAST COAST OF HONSHU. 1877. 1 item.

Manuscript chart, limited to the northeast shore of the bay, showing hydrography, the shoreline, and settlements. Approx. 3 inches to 1 nautical mile. Source: U.S.S. *Alert.* (Filed as 463.2, #1)

1564. PERRY LANDING AT URA-GA AND RECEPTION BAY, ENTRANCE TO TOKYO BAY. 1853. 1 item.

"Reconnoissiance [sic] of the Anchorage of Ura-Ga & Reception Bay, on the west side of the entrance of Jeddo Bay, Island of Niphon, Japan, made by order of Commo. M. C. Perry, Comd'g U.S. Naval Forces E. India, China & Japan Seas . . . ." Manuscript chart showing the anchorages of the U.S. ships *Saratoga, Susquehanna, Mississippi,* and *Plymouth;* the place of reception by the Japanese, July 14, 1853; and buildings, gun batteries, and topographic features on the shore. Insets: view from Morrison Bluff, showing the landing in Reception Bay, with ships of the fleet and boats; and view of Ura-Ga Harbor from Monument Point. Views drawn by "Messrs. Heine & Brown." Large scale. (Filed as 451.36, #40)

1565. TOKYO (YEDO) BAY. 1853-54. 1 item.

"Reconnoissance [sic] of the Gulf and survey of the Western Shore of the Bay of Yedo by order of Commodore M. C. Perry U.S.N. by Lieut. W. L. Maury and other officers of the U.S. Japan Expedition in 1853-54. Second edition with corrections and additions." Printed chart showing soundings, the shoreline, coastal settlements, and sailing directions. Insets: seven views of the shoreline, some showing "Mt. Fuzi" (Fuji). 1 inch to approx. 3 1/2 nautical miles. (Filed as 451.36, #30)

1566. TOKYO (YEDO) BAY AND APPROACHES. 1855-59. 1 item (4 sections).

"U.S. North Pacific Surveying Expedition Lieut. John Rodgers, U.S.N., Commanding. Gulf of Yedo and Approaches By the U.S. Ship *Vincennes,* Lieut. John Rogers, Commanding U.S. Str. *John Hancock,* Lieut. Commanding H. K. Stevens May 1855. Additions by Lieut. Comdg. John M. Brooke, U.S. Schr. *Fenimore Cooper,* 1859. Original Working Sheet No. _____." Large manuscript chart showing soundings, coastal topography and settlements, and tracks of the ships. Coverage includes the Izu Islands (Broken Islands). Approx. 1 inch to 2 nautical miles. (Filed as 451.36, #19)

1567. PROPOSED SUBMARINE CABLE AT TOKYO (YEDO) BAY. 1874. 1 item.

"Sketch of Southeastern Point of Japan— Red lines show proposed termination of contemplated cable." Tracing (part of the records of deep-sea soundings in the Pacific by the U.S.S. *Tuscarora*) of entrance to Yedo Bay showing hydrography, coastal topography and settlements, and the cable. 1 inch to 1 nautical mile. (Filed as 381.20, #12b)

1568. YOKOSUKA HARBOR, TOKYO BAY. 1889. 2 items.

Two sketches, based on published H.O. chart No. 550 and annotated with additional information, showing a "change in outline and buoyage," a canal under construction, a new railway station, a new quarantine station, and the "position of buoys and forts [earthworks] under construction." Large scale. Source: U.S.S. *Monocacy.* (Filed as 471.22, #1 and #2)

1569. YOKOHAMA HARBOR VICINITY, TOKYO BAY. N.d. 1 item.

Tracing, apparently in the late 19th century, from an unidentified source showing hydrography, coastal cliffs and a fort, and a simplified plan of the city (without street names). Large scale. (Filed as 453.25)

1570. YOKOHAMA HARBOR VICINITY, TOKYO BAY. 1890. 1 item.

Tracing, with added notes, showing proposed breakwater, hydrography, a simplified plan of the city (without street names),

roads, and outlying dwellings. Insets: drawings showing six types of mooring buoys used by various harbor companies. Scale is not shown. Source: U.S.S. *Omaha*. (Filed as 471.29)

1571. LIGHTHOUSES AND BUOYS AT YOKOHAMA HARBOR, TOKYO BAY. 1892. 1 item.

"Official copy of chart showing Light houses, light ships, and buoys under the control of the Light-House Department." Tracing, partly in Japanese. 1 inch to approx. 1 1/2 nautical miles. (Filed as 461.49)

1572. YOKOHAMA HARBOR, TOKYO BAY. 1898-99. 2 items.

Two printed plans submitted by the U.S. consul and the State Department to show the field of operations of new harbor regulations. Plans, partly in Japanese, indicate locations of anchorages for various classes of vessels and the location of the foreign settlement in the city. Scales are not shown. (Filed as 2111.1; 4112.19, #3)

1573. SHIMODA HARBOR, EAST COAST OF HONSHU. 1854. 1 item.

"Simoda Lt. Bents Survey with Topography." Rough chart (in pencil), apparently from a survey by Silas Bent, a member of the expedition commanded by Commodore M. C. Perry, showing soundings, topography, a rough plan of the city, cultivated fields, and triangulation data. Scale is not shown but is approx. 6 inches to 1 nautical mile. (Filed as 451.36, #34b)

1574. SHIMODA HARBOR, EAST COAST OF HONSHU. 1855. 1 item.

"Harbor of Simoda, Island of Nippon. Verification of the chart of Commodore Matthew C. Perry, by the U.S. North Pacific Surveying Expedition, under the command of Lieut. John Rodgers, U.S.N. May 1855. Original Working Sheet No. _____." Manuscript chart, projected and drawn by E. R. Knorr, showing soundings taken from Perry's chart and new soundings, topography, cultivated fields, settlements, a U.S. coal depot, penciled plotting lines, and sailing directions. Insets: three views of the harbor entrance and Rock Island, originally sketched by William Brenton Boggs, USN; probably redrawn by expedition artist Edward M. Kern (whose name is not shown). Approx. 6 inches to 1 nautical mile. (Filed as 451.36, #34a)

1575. HEDA HARBOR, SURUGA BAY. 1855. 1 item.

"U.S. Surveying Expedition John Rodgers Commanding. Harbor of Heda in the Principality of Idsu Nippon. U.S. Steamer *John Hancock* H. K. Stevens Commanding 1855. The soundings & shoreline from a Russian chart." Manuscript work chart showing hydrography, topography, vegetation cover, roads, dwellings, and sailing directions. Inset: view of the harbor entrance, apparently by artist Edward M. Kern (whose name is not shown). Approx. 16 inches to 1 nautical mile. (Filed as 451.36, #16)

1576. HEDA HARBOR, SURUGA BAY. 1855. 1 item.

Reduced manuscript copy of worksheet, described in entry 1575, prepared for engraving and signed by Lt. H. K. Stevens. Also included is the note "This chart is principally taken from a manuscript, obtained from the officers of the Russian frigate *Diana* . . . ." Approx. 5 1/2 inches to 1 nautical mile. (Filed as 451.36, #17)

1577. GOZA HARBOR ENTRANCE (HAMASHIMA KO), SOUTHEAST COAST OF HONSHU. 1870. 1 item.

Manuscript chart of "Monocacy Bay" and adjacent entrance to Goza Harbor showing soundings, villages, and "McCrea Island." 1 inch to 280 yards. Source: U.S.S. *Monocacy*. (Filed as 453.23, #14)

HONSHU, WEST COAST

1578. NORTHWEST COAST OF HONSHU FROM TSURUGA BAY TO TSUGARU STRAIT. 1855. 1 item (2 sections).

"U.S. North Pacific Surveying Expedition Lieut. John Rodgers, U.S.N., Commanding. West Coast of Nippon (Northern Part)

From the run of the U.S. Schooner *Fenimore Cooper,* Actg. Lieut. Wm. Gibson, Commandg. in May and June 1855, and from the surveys of Admiral Krusenstern 1805, and Capt. Richards, R.N., 1855, and from Japanese charts, published by Siebold in 1840." Large manuscript chart showing the ship's track, soundings, coastal settlements and river mouths, and plotting lines. 1 inch to approx. 6 1/2 nautical miles. (Filed as 451.36, #23)

1579. MIYATSU HARBOR. 1867. 1 item.
Tracing of a chart of "Miyadsu" from a survey by H.M.S. *Serpent,* accompanied by a letter from the commander of the U.S.S. *Shenandoah,* giving sailing directions. The tracing shows hydrography, the shoreline, location of the town, and the "Daimios Residence." Large scale. (Filed as 453.20, #3)

1580. TSURUGA ANCHORAGE. 1867. 1 item.
Manuscript chart showing hydrography and villages surrounding the harbor. Approx. 1 1/2 inches to 1 nautical mile. Source: U.S.S. *Shenandoah.* (Filed as 453.20, #1)

1581. MIKUNI ROADSTEAD. 1867. 1 item.
Tracing of chart from a survey by H.M.S. *Serpent,* accompanied by a letter from Commodore Goldsborough of the U.S.S. *Shenandoah.* The tracing shows hydrography and topography at entrance to the roadstead and includes the note "Fuhuye the capital of Etchizen is 12 miles up the river and can be reached by boat." Approx. 2 inches to 1 nautical mile. (Filed as 453.20, #2)

1582. NANAO ANCHORAGE, NOTO PENINSULA (TOYAMA BAY). 1867. 2 items.
Tracings of the anchorage and the entrance to the anchorage from surveys by H.M.S. *Serpent,* showing hydrography and coastal villages. Additional soundings were added by the U.S.S. *Shenandoah.* An attached letter gives sailing directions. Large scale. (Filed as 453.20, #4 and #6)

1583. NOTO PENINSULA. 1867. 1 item.
Tracing of a Japanese chart, with additional soundings by H.M.S. *Serpent,* showing location of Nanao anchorage, the shoreline, and hills. Scale is not shown. Source: U.S.S. *Shenandoah.* (Filed as 453.20, #5)

INLAND SEA

1584. GULF OF OSAKA, INCLUDING OSAKA, KOBE, AND HIOGO HARBORS. 1867. 1 item.
Tracing of a chart from a survey by H.M.S. *Serpent* and others, showing city of Osaka, canals, a castle, foreign concession areas, harbors of Hiogo and Kobe, hydrography, and mountain peaks in the interior, apparently used as landmarks. 1 inch to approx. 1 nautical mile. Source: U.S.S. *Supply.* (Filed as 453.23, #15)

1585. GULF OF OSAKA, INCLUDING OSAKA, KOBE, AND HIOGO HARBORS AND AKASHI STRAIT. 1868. 1 item.
Chart on tracing cloth showing information, including the city of Osaka, canals, a castle, foreign concession areas, harbors of Kobe and Hiogo, coastal villages and forts, and some topographic features, from a Japanese Government chart and a survey by Commander Bullock of H.M.S. *Serpent.* Additional soundings were added by the U.S.S. *Monocacy.* 1 inch to approx. 1 nautical mile. (Filed as 453.23, #1)

1586. OSAKA HARBOR AND MOUTHS OF YODO RIVER. 1868. 2 items.
Manuscript chart of harbor, including canals of the city of Osaka and Kitsu and Agi branches of the adjacent Yodo River. Shows "Tycoon's Castle" at Osaka, coastal forts and a jetty, and soundings. Attached is a pencil sketch of the coast from the ship's anchorage off Temposan Fort. Approx. 3 inches to 1 nautical mile. Source: U.S.S. *Monocacy.* (Filed as 453.23, #2)

1587. FOREIGN CONCESSION AREAS AT OSAKA AND KOBE. 1867. 2 items.
Tracings of large-scale street plans originally drawn by Commander Bullock of H.M.S. *Serpent.* Source: U.S.S. *Monocacy.* (Filed as 453.23, #5 and #6)

1588. KOBE AND HIOGO BAYS. 1873. 1 item.
Tracing from survey by the harbormaster and surveyor at Kobe showing buildings, native and foreign sections, and railroad facilities. Approx. 3 inches to 1 nautical mile. (Filed as 453.18)

1589. KOBE AND HIOGO BAYS. 1892. 1 item.
Tracing of Japanese charts in the possession of the harbormaster at Kobe that shows the anchorage position of the U.S.S. *Alert;* forts, piers, and other harbor facilities; and a few waterfront buildings, including the Hiogo Hotel, the customhouse, Vulcan Iron Works, and Hiogo Foundry. An attached note from Lieutenant Mahan concerns the preparation of the chart and navigation aids. Large scale. Source: U.S.S. *Alert.* (Filed as 461.19)

1590. KOBE HARBOR. 1899 and 1908. 2 items.
Printed plans, partly in Japanese, forwarded by the U.S. consul and the U.S. State Department, showing information apparently relating to new harbor regulations: anchorage districts, anchorages for various classes of vessels, and some harbor facilities. Scales vary. (Filed as 4112.19, #1 and #2)

1591. AKASHI STRAIT AND HIOGO HARBOR. 1870. 1 item.
Tracing, with corrected shoreline added in red ink, showing soundings, the city of Akashi, and some buildings and canals at Hiogo Harbor. 1 inch to approx. 1 nautical mile. Sources: U.S. ships *Monocacy* and *Aroostook.* (Filed as 453.23, #3)

1592. AKASHI STRAIT. 1869. 1 item.
Manuscript chart showing hydrography, settlements, coastal roads, forts, and physical features. 1:20,000. Source: U.S.S. *Aroostook.* (Filed as 453.23, #4)

1593. KURO SIMA STRAIT. 1867. 1 item.
Enlarged tracing of a British chart from a survey in 1861, showing Osima Island; numerous smaller islands; and adjacent settlements, including Imaharu (Imabaru). Additional soundings by the U.S.S. *Monocacy* are indicated in red ink. Approx. 1 1/4 inches to 1 nautical mile. (Filed as 453.21, #1)

1594. PART OF INLAND SEA BETWEEN MUTSU SIMA AND ODUTSI ISLANDS. 1867. 1 item.
Enlarged tracing of a British chart from a survey in 1861, showing part of coast in the vicinity of the city of Murakame (Marugame) and offshore islands. Additional soundings by the U.S.S. *Monocacy* are indicated in red ink. Approx. 1 1/4 inches to 1 nautical mile. (Filed as 453.21, #2)

1595. SHIMONOSEKI (VAN DER CAPELLAN) STRAIT, BETWEEN HONSHU AND KYUSHU ISLANDS. Ca. 1850. 1 item.
Tracing of an unidentified chart of the "Strait of van der Capellen," one of several tracings apparently received from the U.S. North Pacific Surveying Expedition of the 1850's, showing hydrography and coastal features of the adjacent parts of Honshu and Kyushu Islands. 1 inch to approx. 1 nautical mile. (Filed as 463.3, #3)

1596. MOJI HARBOR, SHIMONOSEKI STRAIT (COAST OF KYUSHU ISLAND). 1901. 1 item.
Printed chart, partly in Japanese, forwarded by the U.S. consul at Nagasaki, apparently to show the field of operations of new harbor regulations. Included are the harbor limit, districts, and landmarks. Scale is not shown. (Filed as 2123.36)

SOUTHERN KYUSHU AND ADJACENT ISLANDS

1597. SOUTHEAST COASTS OF KYUSHU AND SHIKOKU ISLANDS. 1859. 1 item.
"Parts of Kiusiu and Sikok Japan By the U.S. Schr. *Fenimore Cooper* Lieut. John M. Brooke, Comdg. Lieut. Chas. E. Thorborn. 1859." Large rough chart covering most of the southeast coast of Kyushu, the adjacent part of the Bungo Channel, and most of the south coast of Shikoku and showing the tracks of the U.S.S. *Fenimore Cooper,* a partial track of the U.S.S. *John Hancock,* shorelines, some place-names, and penciled plotting lines. 1 inch to

approx. 2 1/4 nautical miles. 4 1/2 x 7 feet. (Filed as 463.1, #4)

1598. SOUTHERN KYUSHU AND ADJACENT ISLANDS. Ca. 1850. 2 items.

Two similar tracings apparently received from the U.S. North Pacific Surveying Expedition of the 1850's. One copy contains the penciled note "Chart composed from various informed citizens & observations by—Philip Frederick Von St [illegible]." The tracings cover southern Kyushu, the Kosiki Islands, the Goto Islands, and the Linschoten (Pinnacle) Islands and show anchorages, topographic relief, towns, place-names, and rivers. Insets: plan of the Goto and Firado (Herado) Islands from "a Dutch manuscript chart from the seventeenth century" and sketch of the Linschoten and nearby islands "as seen by HMS *Larne* Decr. 16 & 17, 1838 By Captain Blake." 1 inch to approx. 12 nautical miles. (Filed as 463.3, #4 and #7)

1599. TONOVOORAH HARBOR (TONOURA AND ABURATSU VICINITY), SOUTHEAST COAST OF KYUSHU. 1859. 1 item.

"Tonovoorah Harbor S. E. coast of Kiusiu Japan By the U.S. Surv. Exp. of the Route between California, China & Japan Lieut. John Brooke, Comdg. Lieut. Thorburn actg. Master 1859." Manuscript worksheet showing soundings, coastal topography, settlements, and offshore islands. The modern names of the towns in this vicinity are Tonoura and Aburatsu. Approx. 5 inches to 1 nautical mile. Source: U.S.S. *Fenimore Cooper.* (Filed as 463.1, #2)

1600. TONOVOORAH HARBOR (TONOURA AND ABURATSU VICINITY), SOUTHEAST COAST OF KYUSHU. 1859. 1 item.

Manuscript copy of the worksheet described in entry 1599, reduced for engraving. Approx. 2 1/2 inches to 1 nautical mile. Source: U.S.S. *Fenimore Cooper.* (Filed as 463.1, #1)

1601. KAGOSHIMA BAY, SOUTH COAST OF KYUSHU. 1855. 1 item.

"U.S. North Pacific Surveying Expedition, Lieut. John Rodgers, U.S.N., Commanding. Original Working Sheet No. _____. Kago-Sima Bay, South Coast of Kiusiu. Reconnoitered by the U.S. Ship *Vincennes,* January 1855." Tracing showing tracks of the ship, soundings, coastal settlements, capes, rocks, and other landmarks. Sailing directions are included. Insets: two profile views taken from the anchorage off Yamagawa Harbor. 1 inch to approx. 1 nautical mile. (Filed as 451.36, #14)

1602. NAGASAKI HARBOR AND APPROACHES, WEST COAST OF KYUSHU. Ca. 1850. 1 item.

Tracing of an unidentified chart, one of several tracings apparently received from the U.S. North Pacific Surveying Expedition of the 1850's, showing hydrography, topography, a simplified plan of the city, and place-names. Insets: plan of Dutch Factory and pictures of various flags. 1 inch to approx. 1 nautical mile. (Filed as 463.3, #5)

1603. NAGASAKI HARBOR, WEST COAST OF KYUSHU. 1903. 1 item.

Japanese chart No. 92, published in 1902 and received from the U.S.S. *Albany* as an enclosure to a hydrographic report, showing hydrography, coastal topography, city streets, and cultivated fields. Approx. 1:12,000. (Filed as 161.8)

1604. HIRADO OR SPEX STRAIT, BETWEEN NORTHWEST KYUSHU AND HIRADO ISLAND. 1867-70. 8 items.

Manuscript charts and tracings showing Hirado Strait and islands and shoals discovered within the strait, including Vinetta Rock, Robinett Shoal, and Costa Rica Rock, and containing some information from H.M.S. *Icarus.* One of the charts is the manuscript version of Hydrographic Office chart No. 7. Scales vary. Source: U.S.S. *Monocacy.* (Filed as 453.23, #7-#13)

1605. GOTO ISLANDS AND SOUTHWEST COAST OF KYUSHU. 1855. 1 item (4 sections).

"U.S. North Pacific Surveying Expedition Lieut. John Rodgers, U.S.N. Commandg. Reconnoissance [sic] of the Gotto Islands and Straits with the S.W. Coast of Kiusiu

Japan. By the U.S. Schooner *Fenimore Cooper,* Actg. Lieut. Wm. Gibson, Comdg. Actg. Lieut. Beverley Kennon, Master. May 1855. Original Working Sheet No. _____." Large manuscript chart showing the ship's tracks, soundings, shorelines, coastal topography place-names, penciled plotting lines, and a note on the reliability of positions. 1 inch to approx. 1 nautical mile. (Filed as 451.36, #18)

1606. MEAC SIMA ISLANDS (ASS' EARS) AND PALLAS (VINCENNES) ROCKS, SOUTHWEST OF GOTO ISLANDS AND KYUSHU. 1854. 1 item.

"U.S. North Pacific Surveying Expedition, Lieut. John Rodgers, Commanding. Original Working Sheet No. _____. Ass' Ears and Vicennes Rocks, Japan Sea. Surveyed by the U.S. Ship *Vincennes,* December 1854." Manuscript chart showing the location of the islands, the ship's tracks, and five views of the islands from various directions. 1 inch to approx. 2 nautical miles. (Filed as 451.36, #47)

1607. MEAC SIMA ISLANDS (ASS' EARS) AND PALLAS (VINCENNES) ROCKS, SOUTHWEST OF GOTO ISLANDS AND KYUSHU. 1878. 1 item.

Tracing showing locations and topography of the islands, the track of the U.S.S. *Ashuelot,* and the position from which "sketch taken." 1 inch to approx. 1 nautical mile. (Filed as 453.12)

Ryukyu Islands

1608. RYUKYU ISLANDS. Ca. 1850. 1 item.

Unidentified, untitled chart filed among the records of the Perry expedition to Japan and the U.S. North Pacific Surveying Expedition, both of the 1850's. The chart, possibly a duplicate of an earlier chart, shows the "Loo Choo or Liu Kiu Islands," the southern tip of Kyushu, Japan (Cape Tschitschagoff), the Linschoten and other islands immediately south of Japan, the north group (Ou-Sima, Ohosima, or Slocum's Island and adjacent islands), the middle group (Loo Choo or Kinawasima and adjacent islands), and the south group (including Mijakosima, Isigakisima, Jiufjosima, and Jonakuni). Several penciled notations, including the partial track of an unidentified ship, are shown. A note at Okinawa reads, "Nava Nape is the Napa Kiang of Basil Hall." 1 inch to approx. 15 nautical miles. (Filed as 451.36, #49)

1609. NORTHERN RYUKYU ISLANDS AND SOUTHERN TIP OF KYUSHU, JAPAN. Ca. 1850. 1 item.

Tracing of an unidentified chart, one of several tracings apparently received from the U.S. North Pacific Surveying Expedition of the 1850's. This is a composite of separate charts of Van Diemen Strait, the Linschoten and adjacent islands, and the Ohosima (Ou-Sima or Amami) group of the Ryukyus. Positions (latitude and longitude) of numerous islands are given; symbols indicate names of earlier explorers used as sources (for explanation of symbols, see entry 1545). Scale is not shown. (Filed as 463.3, #1)

1610. NORTHERN RYUKYU ISLANDS AND SOUTHERN KYUSHU, JAPAN. 1854-59. 1 item.

"U.S. North Pacific Surveying Expedition. Lieut. John Rodgers, U.S.N., Comdg. Loo-Choo Archipelago and the Southern Part of Japan By the U.S. Ship *Vincennes,* Lieut. John Rodgers, Comdg. U.S. Str. *John Hancock,* Lieut. Comdg. H. K. Stevens. U.S. Schr. *Fenimore Cooper,* Actg. Lieut. Comdg. W. Gibson. 1854-55. Additions by Lieut. Comdg. John M. Brooke, U.S. Schr. *Fenimore Cooper,* 1859." Printed chart, at reduced scale, covering area from southern Kyushu to Okinawa. Originally projected by E. R. Knorr, it shows soundings, topography, and place-names. Insets: harbor plans of Tonovoorah Harbor, southeast coast of Kyushu, Japan; Yamagawa Harbor in Kagoshima Bay, south coast of Kyushu, Japan; and Porpoise Straits, Ou-Sima group, Ryukyus. 1 inch to approx. 12 nautical miles. (Filed as 451.36, #12)

1611. SOUTHERN KYUSHU, JAPAN, TO LINSCHOTEN ISLANDS, NORTHERN RYUKYU ISLANDS. 1854-55. 1 item (2 sections).

"U.S. North Pacific Surveying Expedition. Lieut. John Rodgers Commanding. Original Working Sheet No._____. South Extreme of Japan and the Islands Towards Loo-Choo. Reconnoitered by the following Officers of the U.S. Ship *Vincennes* .... Draughtsman E. R. Knorr. Views by Edwd. M. Kern. December 1854 and January 1855." Manuscript chart showing the ship's tracks and soundings, points from which views were taken, and coastal topography and place-names. Insets: 14 views of islands by artist Edward M. Kern. 1 inch to approx. 1 1/4 nautical miles. (Filed as 415.36, #11)

1612. SOUTHERN KYUSHU, JAPAN, TO LINSCHOTEN ISLANDS, NORTHERN RYUKYU ISLANDS. 1855. 1 item (6 sections).

"U.S. North Pacific Surveying Expedition, Lieut. John Rodgers, U.S.N., Comdg. Island Chain Between Loo-Choo and Kiusiu Surveyed in January, April and May 1855 by the U.S. Ship *Vincennes.* U.S. Str. *John Hancock.* U.S. Schr. *F. Cooper* ... (Projected by E. R. Knorr) Sheet II." Large manuscript chart covering area from southern Kyushu and the Kosiki group west of Kyushu, southward to Suwo-sima (Suwanoseshima) Island (coverage continues on sheet I, described in entry 1613), and showing tracks of the ships, soundings, coastal topography, place-names, and penciled plotting lines. 1 inch to approx. 2 nautical miles. (Filed as 451.36, #10)

1613. LINSCHOTEN ISLANDS TO OKINAWA, NORTHERN RYUKYU ISLANDS. 1855. 1 item (4 sections).

"U.S. North Pacific Surveying Expedition, Lieut. John Rodgers, U.S.N., Comdg. Island Chain Between Loo-Choo and Kiusiu Surveyed in January, April and May 1855 by the U.S. ship *Vincennes.* U.S. Str. *John Hancock.* U.S. Schr. *F. Cooper* ... (Projected by E. R. Knorr) Sheet I." Large manuscript chart covering area from Suwosima (Suwanoseshima) Island to the northern coast of Okinawa (Loo-choo), including the Ou-Sima group (coverage continued from sheet II, described in entry 1612), and showing tracks of the ships, soundings, coastal topography, place-names, and penciled plotting lines. 1 inch to approx. 2 nautical miles. (Filed as 451.36, #9)

1614. AMAMI (OU-SIMA) GROUP, NORTHERN RYUKYU ISLANDS. 1855. 1 item.

"U.S. North Pacific Surveying Expedition. Lieut. John Rodgers, U.S.N., Comg. Ou-Sima Group Between Loo-Choo and Japan. By the U.S. Ship *Vincennes,* Lt. John Rodgers, Comg. U.S. Str. *John Hancock,* Lt. H. K. Stevens, Comg. U.S. Schr. *Fenimore Cooper,* Actg. Lt. W. Gibson, Comg. January and May 1855." Printed chart, originally projected by E. R. Knorr, showing tracks of the ships, soundings, coastal topography, and sailing directions. Names of islands given by previous navigators are indicated. Insets: views of Fookaw Bay, Porpoise Straits, and the island of Kikai-Sima. 1 inch to approx. 2 nautical miles. (Filed as 451.36, #2)

1615. FOOKAW BAY, AMAMI (OU-SIMA) GROUP, NORTHERN RYUKYU ISLANDS. 1855. 1 item.

"U.S. North Pacific Surveying Expedition. Lieut. John Rodgers, U.S.N., Commanding. Fookaw Bay By the U.S. Ships *Vicennes* and *John Hancock.* May 1855." Manuscript chart showing tracks of the ships, soundings, coastal topography, and villages. Approx. 2 inches to 1 nautical mile. (Filed as 451.36, #15)

1616. PORPOISE STRAITS AND SOUTHERN PART OF AMAMI (OU-SIMA) GROUP, NORTHERN RYUKYU ISLANDS. 1855. 1 item (2 sections).

"U.S. North Pacific Surveying Expedition, Commander John Rodgers, U.S.N., Commanding. Porpoise Straits and South Part of Ou Sima Group. Surveyed by the following vessels: U.S. Ship *Vincennes.* U.S. Str. *John Hancock.* U.S. Schooner *F. Cooper* ... January and May 1855." Large manuscript chart showing tracks of the ships, soundings, coastal topography, villages, and penciled plotting

lines. Views apparently intended for the final version of this chart are not included even though the title refers to "Views by Wm. Brenton Boggs, Purser, U.S.N., and Edward M. Kern, Arist." Approx. 3 inches to 1 nautical mile. (Filed as 451.36, #5)

1617. AMAMI (OU-SIMA) GROUP AND TAKUNO (KAKIROUMA) ISLAND, NORTHERN RYUKYU ISLANDS. 1855. 1 item.

"U.S. North Pacific Surveying Expedition, Lieut. John Rodgers, U.S.N., Commanding. Original Working Sheet No. _____. Ou-Sima and Kakirouma. Reconnoitered by the U.S. Ship *Vincennes*, January 1855." Manuscript chart showing the ship's track, soundings, positions from which views were taken, coastal topography, and villages. Insets: seven views of the islands; artist is not identified but probably is expedition artist Edward M. Kern. 1 inch to approx. 2 1/2 nautical miles. (Filed as 451.36, #3)

1618. MONTGOMERY GROUP, NORTH OF OKINAWA, RYUKYU ISLANDS. 1855. 1 item.

Untitled worksheet from the U.S. North Pacific Surveying Expedition showing the ship's track, some topography, and penciled plotting lines. Very faint, penciled notation at top of chart reads, "Montgomery Ids. Group - Oct - [remainder illegible]." Approx. 1 1/2 inches to 1 nautical mile. (Filed as 451.36, #46)

1619. OKINAWA. 1853. 1 item.

"The Loo Choo Group of Islands Surveyed by order of Commo: M. C. Perry U.S. Navy By Lieut. G. B. Balch Lieut. J. Mathews U.S.S. *Plymouth* August 1853." Manuscript chart covering Okinawa and offshore islets and showing shoreline features; a few shoals; soundings in the important harbors; the towns of Naha (Napa or Nafa), Sheudi (capital of Loo Choo), and Oonting; and smaller coastal settlements. Interior of island is largely unmapped. 1 inch to approx. 2 nautical miles. (Filed as 451.36, #45)

1620. OONTING (PORT MELVILLE), NORTH COAST OF OKINAWA. 1853. 1 item.

"Copy of Admiral Cecille's Chart of Oonting or Port Melville, Island of Loo-Choo. Verified by order of Commo: M. C. Perry, U.S. Navy. By Lieut. S. Bent. Lieut. N. B. Harrison. Actg. Master J. Bennett. Passed. Midn. J. H. March. June 1853." Manuscript chart showing soundings, the shoreline, topography, villages, cultivated fields, and the position from which view was taken. Soundings from French chart are shown in red ink. Inset: view of part of the harbor. Approx. 4 inches to 1 nautical mile. (Filed as 451.36, #41)

1621. DEEP BAY, WEST COAST OF OKINAWA. 1853-54. 1 item.

"(Lew Chew) Deep Bay Surveyed Dec. 1853 and Jany. 1854 by William B. Whiting Lieut. U.S. Navy and Lieut. Alphonse Barbot, Assistant U.S. Ship *Vandalia* John Pope Esq. Commander by order of Commodore Matthew C. Perry Commanding U.S. Naval Forces in East Indies, China, and Japan Seas." Manuscript chart showing hydrography, coastal topography, and settlements. 1:40,000. (Filed as 451.36, #43)

1622. SHAH BAY, NORTH COAST OF OKINAWA. 1854. 1 item.

"(Lew Chew) Shah Bay Surveyed Jany. 1854 by Lieut. William B. Whiting U.S.N. Lieut. Alphonse Barbot U.S.N. Assistant of U.S. Ship *Vandalia* John Pope Esq. Commander by order of Commodore M. C. Perry Commanding U.S. Naval Forces in East Indies, China, and Japan Seas .... Drawn by William B. Whiting." Manuscript chart showing hydrography, coastal topography, dwellings, cultivated fields, and saltpans. 1:5,000. (Filed as 451.36, #44)

1623. OKINAWA. 1854. 1 item.

"Island of Lew-Chew from the surveys of William B. Whiting, Geo. B. Balch, Silas Bent, and others .... Drawn by William B. Whiting by order of Commodore M. C. Perry Commanding U.S. Naval Forces in the East Indies, China, and Japan Seas 1854." Manuscript chart covering Okinawa and adjacent islets and showing shoreline features; shoals; soundings in the important harbors; towns of Naha (Napa or Nafa), Shuey (Sheudi or Shuri), and Oonting; smaller villages; mountain topography in

parts of the island; the "Ancient fort of Katsin Darki"; and other features. 1 inch to approx. 2 nautical miles. (Filed as 451.36, #42)

1624. OKINAWA AND ADJACENT ISLANDS TO THE WEST. 1854-55. 1 item (3 sections).
"U.S. North Pacific Surveying Expedition, Lieut. John Rodgers, U.S.N., Commanding. West Coast of Loo-Choo and Neighboring Islands. Surveyed in 1854 and 1855 by the U.S. Ship *Vincennes.* U.S. Str. *Jno. Hancock.* U.S. Schr. *F. Cooper* . . . (Projected by E. R. Knorr)." Large manuscript chart covering Okinawa, the Amakirima group, Kume Shima (Komisang), and other islands and showing hydrography, tracks of the ships, coastal topography, and towns. Insets: views of Naha (Nafa or Napa) Harbor, apparently by artist Edward M. Kern. 1 inch to approx. 1 nautical mile. (Filed as 451.36, #6)

1625. OKINAWA AND ADJACENT ISLANDS TO THE WEST. 1855. 2 items.
Later versions of the chart described in entry 1624—manuscript chart reduced for engraving and final printed version. Title was revised from the original worksheet to read "Loo-Choo and the Islands to the Westward. By the *Vincennes, John Hancock,* and *Fenimore Cooper* 1855." The printed version (item #7) contains an inset plan and three views of the "Harbor of Nafa," originally drawn by artist Edward M. Kern; these insets are not included on the reduced manuscript version (item #8). 1 inch to approx. 2 1/2 nautical miles. (Filed as 451.36, #7 and #8)

1626. AMAKIRIMA GROUP AND THE SOUTHWEST COAST OF OKINAWA. 1855. 1 item.
"U.S. North Pacific Surveying Expedition. Lieut. John Rodgers, U.S.N., Comdg. Amakirima Group with Part of Loo-Choo By the *Vincennes, John Hancock* and *Fenimore Cooper,* 1855." Reduced manuscript chart, originally projected by E. R. Knorr and prepared for engraving, showing hydrography, topography, settlements, and place-names. Included are sailing directions to "Nafa Harbor." Views apparently intended for final version of chart are not included even though a reference is made to "Views by Edwd. M. Kern." 1 inch to approx. 1 nautical mile. (Filed as 451.36, #4)

1627. OKINAWA AND THE SOUTHERN RYUKYU ISLANDS. Ca. 1850. 1 item.
Tracing of an unidentified chart, one of several tracings apparently received from the U.S. North Pacific Surveying Expedition of the 1850's. This is a composite of two charts: "Okinawasima" or Okinawa and adjacent islands to the north and west, including the Montgomery group, the "Kerasima" (Amakirima) Islands; and the southern Ryukyus or Sakishima Islands, including "Mijakosima," "Isigakisima," and others. Towns, topography, and distances between places in numbers of "Ri" are indicated. The positions (latitude and longitude) of some islands are shown; symbols indicate names of earlier explorers used as sources (for explanation of symbols, see entry 1545). 1 inch to approx. 10 nautical miles. (Filed as 463.3, #10)

1628. BORODINO ISLANDS (OHIGASHI JIMA), EAST OF THE RYUKYU ISLANDS. 1854. 1 item.
"U.S. North Pacific Surveying Expedition Lieut. John Rodgers U.S.N. Commanding. Original Working Sheet No. 1. Reconnaissance of Borodino Islands by the U.S. Ship *Vincennes* October 1854." Manuscript chart showing island topography, positions of the ship while surveying and taking views, and plotting lines. Notes briefly describe the reconnaissance. Insets: two profile views. 1 inch to 2 nautical miles. (Filed as 272.42, #52)

Korea

1629. KOREA. 1848. 3 items.
"Carte de la Coree—1848—drawn by the venerable Andre Kimhaikim." Three similar tracings received from the U.S.S. *Shenandoah* in 1868, each covering all of Korea and showing settlements, provincial boundaries, toporgaphy, and rivers. 1 inch to approx. 15 miles. (Filed as 451.34, #4-#4b)

1630. KOREA. Ca. 1850. 1 item.

Tracing of an unidentified map of Korea, one of several tracings apparently received from the U.S. North Pacific Surveying Expedition of the 1850's, showing settlements, roads, provincial boundaries, topography, and rivers. The positions (latitude and longitude) of a number of offshore islands are shown; symbols indicate the names of earlier explorers used as sources (for explanation of symbols, see entry 1545). 1 inch to approx. 23 miles. (Filed as 463.3, #9)

1631. KOREA. Ca. 1868. 1 item.

"Carte des Huit Provinces du Tchao Sian." Tracing of a French map (date unknown), received from the U.S.S. *Shenandoah,* ca. 1868, showing settlements and provinces. 1 inch to approx. 23 miles. (Filed as 451.34, #3)

1632. KOREA. Ca. 1868. 1 item.

"Carte de la Coree divisee en huit Provinces (D'apres un original Coreen)." Two versions, one on tracing cloth and the other on paper, apparently received from the U.S.S. *Wachusett.* Note on reverse side of tracing reads, "Peninsula of Korea. Tracing from original Corean chart by French officers." The version on paper contains marginal notes on the anchorage position of the U.S.S. *Wachusett* under Commander Shufeldt [1867(?)] and the anchorage of the French fleet at Kanghoa (1866). Both maps show settlements, forts, place-names, roads, provincial boundaries, topography, and rivers. 1 inch to approx. 17 miles. (Filed as 451.34, #5 and #5a)

1633. KOREAN ARCHIPELAGO, SOUTH COAST OF KOREA. Ca. 1888. 1 item.

"Tracing of Southern Portion of Corean Archipelago by Ensign F. M. Bostwick, U.S.N. U.S.S. Palos . . . to show steamer tracks." Colored lines indicate route of mail steamers between Nagasaki and Chemulpo; Korean steamers between Fusan, Mokpo, and Chemulpo; and other routes. Names of islands are also shown. Approx. 1:450,000. Source: U.S.S. *Palos.* (Filed as 471.19)

1634. "MONOCACY" ANCHORAGE, ENTRANCE TO CRITCHTON HARBOR, PA-OON ISLAND (SOAN KUNDO GROUP), SOUTH COAST OF KOREA. 1891. 1 item.

Rough chart on tracing cloth, showing the anchorage, soundings, local topography, villages, and cultivated land, used as the basis for Hydrographic Office chart No. 1263. Large scale. Source: U.S.S. *Monocacy.* (Filed as 452.25, #4)

1635. MOPPO (MOKPO) HARBOR, SOUTHWEST COAST OF KOREA. 1885. 1 item.

Rough survey chart showing location of "Mok-Pho," saltworks, a village, and triangulation stations. Large scale. Source: U.S.S. *Alert.* (Filed as 463.61)

1636. KIN (KEUM) RIVER ENTRANCE, SOUTHWEST COAST OF KOREA. 1884. 1 item.

Chart from preliminary survey showing hydrography, mudflats, dwellings, and triangulation stations. 1:20,000. Source: U.S.S. *Alert.* (Filed as 463.15)

1637. LOWER SEOUL (HAN GANG) AND SALEE RIVERS. Ca. 1868. 1 item.

Tracing of an unidentified French chart (date unknown), received from the U.S.S. *Shenandoah,* ca. 1868, showing hydrography, topography, and place-names in French. 1 inch to approx. 2 nautical miles. (Filed as 451.34, #2)

1638. LOWER SEOUL RIVER (HAN GANG) AND FORTS CAPTURED ON THE SALEE RIVER. 1871. 2 items.

Manuscript chart and tracing showing "soundings in June 1871 by vessels of the U.S. Asiatic Fleet under the command of Rear Admiral John Rodgers." Inset: plan of Salee River, showing the forts captured June 10-12, 1871, by vessels of the U.S. fleet. The main chart shows a road from "Tchet-maul" (Chemulpo) to Seoul "said by Corean Christians to be level and good," topographic features, place-names, gun batteries, and villages. 1 inch to approx. 2 nautical miles. (Filed as 451.34, #1 and #1a)

1639. INCHON (CHEMULPO) HARBOR. 1882-83. 2 items.

Two similar tracings of a chart of the inner and outer harbors of Chemulpo from a survey by German ships *Stosch* and *Leipzig* (1882-83). Received from the U.S.S. *Essex* (1888), the tracings show soundings; topography; a simplified plan of the city of Chemulpo, including the Chinese, Japanese, and Korean settlements; coalsheds; and a fort on Roze Island (Kheum Wolmi). Approx. 7 inches to 1 nautical mile. (Filed as 463.48, #1 and #2)

1640. LOWER SALEE RIVER, INCLUDING INCHON (CHEMULPO). 1883. 4 items.

Manuscript chart of the lower part of the river between Roze and Pilot Islands showing soundings, the port of Chemulpo and other settlements, cultivated fields, and a fort. Approx. 4 inches to 1 nautical mile. Also included are three rough plans of islands at larger scale. Source: U.S.S. *Monocacy.* (Filed as 451.1)

1641. CHASSERIAU BANK, ENTRANCE TO SALEE RIVER. 1884. 1 item.

Tracing from survey showing the shoreline and soundings. 1:30,000. Source: U.S.S. *Juniata.* (Filed as 451.11)

1642. INCHON (CHEMULPO) HARBOR. 1893. 1 item.

Tracing of chart of "Chemulpo Anchorage" from a survey by the ship *Ping Ching.* Received from the U.S.S. *Monocacy,* the tracing shows hydrography, topography, dwellings, and the British consulate. 1:5,785. (Filed as 153.47)

1643. COAST SOUTH OF PING YANG INLET, ENTRANCE TO TAEDONG RIVER. 1892. 1 item.

Tracing of a Japanese chart showing hydrography and the shoreline. 1 inch to approx. 1 nautical mile. Source: U.S.S. *Alert.* (Filed as 452.33, #1)

1644. APPROACHES TO PING YANG INLET AND TAEDONG RIVER. 1867. 3 items.

Three similar charts—manuscript chart with an attached sheet giving sailing directions (1 inch to approx. 1 nautical mile), tracing, and reduced version prepared for engraving as Hydrographic Office chart No. 226 (1 inch to approx. 2 nautical miles)—showing hydrography, topography, and villages. Source: U.S.S. *Wachusett.* (Filed as 451.34, #8, #8a, and #9)

1645. PING YANG INLET, ENTRANCE TO TAEDONG RIVER. 1868. 2 items.

Two similar charts of Ping Yang or "Shenandoah" Inlet—manuscript chart in two sections (1 inch to approx. 1 statute mile) and reduced version prepared for engraving as Hydrographic Office chart No. 224 (1 inch to approx. 2 statute miles)—showing hydrography, topography, and villages. Source: U.S.S. *Shenandoah.* (Filed as 451.34, #6, #7, and #7a)

1646. PING YANG INLET, ENTRANCE TO TAEDONG RIVER. 1888. 1 item.

Tracing of part of Hydrographic Office chart No. 224 of Ping Yang Inlet and approaches, annotated with lines showing a channel found by the steamer *Hai Riong* and with soundings by F. H. Morsel. Hydrography, the shoreline, and place-names are indicated. Inset: plan of continuation of the inlet and the lower part of "Tatung" (Taedong) River. Approx. 1 1/4 inches to 1 nautical mile. Source: U.S.S. *Palos.* (Filed as 463.48, #3)

1647. PING YANG INLET, ENTRANCE TO TAEDONG RIVER. 1892. 3 items.

Three tracings by Lt. D. H. Mahan covering the approaches to the inlet, the inlet, and the Chel-Tau anchorage at the lower part of Taedong River. Hydrography, topography, settlements, and cultivated fields are shown. Large scale. Source: U.S.S. *Alert.* (Filed as 452.33, #2-#4)

1648. PING YANG INLET, ENTRANCE TO TAEDONG RIVER. 1892. 2 items.

Two printed charts of the inlet and the Chel-Tau anchorage at the lower part of the "Ta-tung" (Taedong) River, annotated to show the track of the U.S.S. *Alert.* The base charts, in Japanese, show hydrography, topography, and settlements. Large scale. (Filed as 452.33, #5 and #6)

1649. TAEDONG RIVER AND CITY OF P'YONGYANG (PING YANG). 1886-91. 2 items.

Tracings received from the U.S.S. *Alliance.* One covers "Ta-Tung" (Taedong) River from Chel-Tau island to "Ping Yang" (P'yongyang) city; the other covers part of the river at P'yongang. River soundings, anchorages, roads, a coal mine, villages, and cultivated fields are shown. Scale of both tracings, approx. 1 1/2 inches to 1 nautical mile. (Filed as 452.29, #1 and #2)

China

1650. SOUTHEAST COAST OF CHINA AND FORMOSA. Ca. 1850. 1 item.

Tracing of an unidentified chart, one of several apparently received from the U.S. North Pacific Surveying Expedition of the 1850's, showing numerous coastal placenames, such as "Tiger Island," "Elephant Island," "Amsterdam Island," and "Murderer's Point" (apparently named by explorers). Some names are in Chinese. 1 inch to approx. 17 nautical miles. (Filed as 463.3, #11)

1651. COAST OF CHINA. Ca. 1855. 1 item.

British Admiralty chart of the China coast and adjacent seas (published in 1849), annotated to show the track of an unidentified ship and the date 1854-55. Source is not shown, but penciled on the reverse side of the chart are the names "William Gibson" and "Bevely Kennon, acting master," the commander and acting master, respectively, of the U.S.S. *Fenimore Cooper* during the U.S. North Pacific Surveying Expedition of the 1850's. 1 inch to approx. 70 nautical miles. (Filed as 283.22, #2)

1652. GEOGRAPHIC POSITIONS OF PLACES ALONG THE CHINA COAST. 1892. 1 item.

Table listing positions (latitude and longitude) and descriptions of 68 mountain summits and coastal islands between Shanghai and the Formosa Strait. (Filed as 471.72)

1653. STORM SIGNAL STATIONS OF THE CHINA COAST METEOROLOGICAL SERVICE. 1907. 1 item.

Small printed map of China, Japan, and Indochina showing locations of storm signal stations receiving telegraphic warnings from the observatory at Zi-ka-wei. Small scale. (Filed as 2101.36)

1654. LIAU RIVER MOUTH AND BAR, SOUTH COAST OF MANCHURIA. 1866. 1 item.

"The Bar of the Liau River, fourteen miles below Yingtsze, the port of Newchwang." Tracing, the reverse side of which contains extensive sailing directions for entering the river. 1 inch to 1,000 yards. Source: U.S.S. *Wachusett.* (Filed as 451.24, #1)

1655. LIAU RIVER ENTRANCE AND CITY OF NEWCHWANG, SOUTH COAST OF MANCHURIA. 1874. 1 item.

Published British Admiralty chart No. 2894, dated 1862 and annotated to show American and British consulates, the customhouse at Ying-tsu, and navigation beacons. Also shown are hydrography, coastal topography, settlements, forts, and cultivated fields. 1 inch to approx. 1 nautical mile. Source: U.S.S. *Ashuelot.* (Filed as 451.24, #2)

1656. MOUTH OF THE PEI HO (TIENTSIN) RIVER. 1854. 1 item.

"U.S. North Pacific Surveying Expedition, Lieut. John Rodgers, U.S.N., Commanding. Reconnaissance of the Mouth of the Teen-Tsin-Ho or Pei-Ho. By the Steamer *John Hancock* and Schooner *F. Cooper* . . . October 1854." Manuscript chart, reduced for engraving, showing hydrography, anchorage positions of the *John Hancock* and the U.S. steamer *Powhatan*, mudbanks, the town of "Tung Koo," forts at entrance to river, saltpans, and cultivated fields. Approx. 2 inches to 1 nautical mile. (Filed as 451.36, #29)

1657. MOUTH OF THE PEI HO (TIENTSIN) RIVER AND APPROACHES. 1854. 2 items.

"U.S. North Pacific Surveying Expedition Lieut. John Rodgers, U.S.N. Commanding. Mouth of the Teen-Tsin-Ho And Approach to the Sha-lui-tien Banks By the U.S. Str. *John Hancock* & U.S. Schr. *Fenimore Cooper* . . . October 1854." Two similar

charts—manuscript chart reduced for engraving and copy of the final engraved chart—showing coastal features and the anchorage positions of the *John Hancock,* the U.S. steamer *Powhatan,* and H.B.M.S. *Rattler.* 1 inch to approx. 2 nautical miles. (Filed as 451.36, #27 and #28)

1658. TIENTSIN HARBOR AND PEI HO RIVER. 1895. 5 items.

Tracings received from the U.S.S. *Monocacy* in May 1895 (for tracing #1, see entry 1679):

2. Anchorage and foreign settlements of Tientsin, showing streets and buildings.
3. Foreign settlement area of Tientsin, showing streets, buildings, and the following ships at anchor in Pei Ho River: French gunboat *Comete,* Russian gunboat *Sivoutch,* British gunboat *Linnet,* German gunboat *Wolf,* and the U.S.S. *Monocacy.*
4. Taku Bar at entrance to Pei Ho River.
5. Pei Ho River from Tientsin Bend to Pai-Taing-Koa, showing changes since 1858-59.
6. Graph showing monthly depths of water at Taku Bar at high water, 1894.

(Filed as 293.18, #2-#6)

1659. CAPTURE OF TAKU FORTS ON THE LOWER PEI HO RIVER. 1900. 1 item.

Blueprint chart of the lower Pei Ho River and approaches, accompanying a report on the capture of the forts, showing the position of the U.S.S. *Monocacy,* the anchorage of the Allied fleet, soundings, and settlements along the riverbanks. A note describes the position of the U.S.S. *Newark.* 1 inch to approx. 1 1/4 nautical miles. (Filed as 1122.47)

1660. LOWER PEI HO RIVER. 1901. 1 item.

Blueprint copy of British Admiralty chart No. 2653, "with additions and corrections to date," showing the lower part of Pei Ho River, naval yards, a U.S. wharf, German docks, railway facilities, the dock of the U.S.S. *Monocacy,* the anchorage of H.M.S. *Phoenix,* British wharf and camp, villages, the U.S. Navy rifle range, a cable crossing, saltpans, and forts. Approx. 2 1/4 inches to 1 nautical mile. (Filed as 292.15)

1661. CHEFOO HARBOR. 1888-89. 1 item.

"Chefoo Harbor from a survey made by the Chinese Customs Service in 1888-89." Tracing, forwarded in 1892, showing harbor soundings and topography. Approx. 4 inches to 1 nautical mile. Source: U.S.S. *Alert.* (Filed as 461.25)

1662. CHEFOO HARBOR. 1903. 12 items.

Preliminary worksheets—boat sheets and tracings—from a survey of the harbor by U.S. ships *Kentucky, Oregon, Annapolis, Vicksburg, Wisconsin,* and *New Orleans.* Scales vary. (Filed as 153.55, #34-#45)

The information was brought together on the smooth sheet described in entry 1663.

1663. CHEFOO HARBOR. 1903. 1 item.

Smooth sheet from a survey of the harbor by U.S. ships *Kentucky, Oregon, Annapolis, Vicksburg, Wisconsin,* and *New Orleans.* Triangulation stations, hydrography, landmarks, and customhouses are shown. Approx. 4 inches to 1 nautical mile. (Filed as 153.55, #32)

1664. AMERICAN CONSULATE AT CHEFOO HARBOR. 1903. 18 items.

Plan of building and worksheets. Sources: U.S. ships *Kentucky, Oregon, Annapolis, Vicksburg, Wisconsin,* and *New Orleans.* (Filed as 153.55, #46)

1665. TSINGTAO SHORELINE AND PART OF KIACHOW BAY, SOUTH COAST OF SHANTUNG PENINSULA. 1905. 1 item.

Partial tracing of a German chart, forwarded as part of a hydrographic report, showing the shoreline of the German-held city of Tsingtao and hydrographic features of part of adjacent Kiachow (Kyau Chau) Bay. 1:10,000. Source: U.S.S. *Chauncey.* (Filed as 5121.28)

1666. YANGTZE RIVER ENTRANCE: NORTH CHANNEL. 1871. 1 item.

Manuscript chart on tracing cloth showing soundings and shorelines of Tsung-ming and

Bush Islands. 1 inch to 2 nautical miles. Source: U.S.S. *Monocacy*. (Filed as 451.30, #9)

1667. YANGTZE RIVER ENTRANCE: CONFUCIUS AND HARVEY POINT CHANNELS. 1871. 2 items.

Manuscript chart and tracing from a survey by the U.S.S. *Alaska* and the Chinese customs steamer *Kua Hsing*. Soundings and shoals are indicated. Approx. 1 1/4 inches to 1 nautical mile. (Filed as 451.30, #3 and #4)

1668. YANGTZE RIVER ENTRANCE: LANGSHAN CROSSING. 1871. 2 items.

Manuscript chart and tracing from a survey by the U.S.S. *Alaska* and the Chinese customs steamer *Kua Hsing*. Soundings, shoals, a pagoda, and a light vessel are indicated. Approx. 1 1/2 inches to 1 nautical mile. (Filed as 451.30, #5 and #6)

1669. YANGTZE RIVER ENTRANCE: BAR AT WUSUNG. 1873. 1 item.

Large-scale tracing showing soundings and a sandbar. Approx. 10 inches to 1 nautical mile. Source: U.S.S. *Iroquois*. (Filed as 451.30, #1)

1670. YANGTZE RIVER ENTRANCE: BAR AT WUSUNG. 1888. 1 item.

Large-scale tracing showing soundings and landmarks. 1 inch to 500 feet. Source: U.S.S. *Omaha*. (Filed as 471.70, #2)

1671. YANGTZE RIVER ENTRANCE: SOUTH CHANNEL. 1888. 1 item.

Chart on tracing cloth showing soundings, Blockhouse Island, and the position of the lightship *Kiutoan* and buoys. Approx. 3 inches to 1 nautical mile. Source: U.S.S. *Omaha*. (Filed as 471.70, #1)

1672. YANGTZE RIVER ENTRANCE: STEAMER'S TRACK THROUGH NORTH CHANNEL. 1890. 1 item.

Tracing, drawn to show corrections to British Admiralty chart No. 1602, indicates place-names and the ship's track. Large scale. Source: U.S.S. *Monocacy*. (Filed as 452.23, tracing 3)

1673. YANGTZE RIVER ENTRANCE: SHOALS WEST OF SHAWEISHAN ISLAND, NORTH CHANNEL. 1890. 1 item.

Tracing, "from Imray's Coasting Chart No. 1706. In use by all coasting steamers . . . ," showing newly discovered shoals (underlined in red) and the location of a lightship. Large scale. Source: U.S.S. *Monocacy*. (Filed as 452.23, tracing 4)

1674. YANGTZE RIVER ENTRANCE: MOUTH OF WUSUNG RIVER. 1893. 1 item.

Tracing of British Admiralty chart No. 1601 showing directions from beacons and lighthouse. Large scale. Source: U.S.S. *Lancaster*. (Filed as 471.45)

1675. YANGTZE RIVER ENTRANCE: TSUNG MING BANKS AND CROSSING. 1900. 1 item.

Tracing showing soundings and landmarks, including "Woosung Lighthouse." 2 inches to 1 nautical mile. Source: U.S.S. *Oregon*. (Filed as 4121.27)

1676. YANGTZE RIVER ENTRANCE: TSUNG MING CROSSING. 1903. 1 item.

Tracing showing soundings obtained by the coast inspector at Shanghai, "Woosung Lighthouse," buoys, and a quarantine anchorage. 2 inches to 1 nautical mile. (Filed as 581.37, #3)

1677. YANGTZE RIVER ENTRANCE: WUSUNG OUTER BAR. 1903. 1 item.

Tracing showing soundings obtained by the coast inspector at Shanghai and "Woosung Lighthouse." 1 inch to 500 feet. (Filed as 581.37, #2)

1678. ENTRANCE TO YANGTZE RIVER. 1903. 1 item.

Published chart of the approaches to the Yangtze River (H.O. chart No. 1445, n.d.), annotated by the coast inspector at Shanghai with remarks concerning shoals and place-name changes. 1 inch to 2 nautical miles. (Filed as 581.37, #1)

1679. SHANGHAI HARBOR. 1894. 1 item.

Tracing from a survey by Coast Inspector A. M. Bisbee of the Imperial Maritime

Customs Service showing hydrography, foreign concessions, and industrial buildings on the waterfront. Large scale. Source: U.S.S. *Monocacy.* (Filed as 293.18, #1)

1680. SHANGHAI HARBOR. 1900. 1 item.
Tracing from a survey by Coast Inspector A. M. Bisbee of the Imperial Maritime Customs Service, 1894, updated by Acting Coast Inspector W. F. Tyler, 1900, showing hydrography, harbor facilities, foreign concessions, and industrial buildings on the waterfront. 1 inch to 600 feet. (Filed as 5112.30)

1681. LOWER YANGTZE RIVER FROM SHANGHAI TO HANGKOW. 1871. 3 items.
Tracings (probably of British Admiralty charts, with corrections) of the Yangtze River from Shanghai to Nanking, Nanking to Tung-Liu, and Tung-Liu to Hangkow. They show river soundings and topography, settlements, pagodas, cultivated fields, forts, and administrative boundaries adjacent to the river. 1 inch to approx. 2 nautical miles. Source: U.S.S. *Alaska.* (Filed as 451.30, #7, #8, and #10)

1682. LOWER YANGTZE RIVER FROM SHANGHAI TO TUNG-LIU. 1907. 2 items.
Published British Admiralty charts No. 2678 and 2809, dated 1904-5 and annotated in red ink to show corrections as of 1907, covering the Yangtze River from Shanghai to Nanking and from Nanking to Tung-Liu, and showing hydrography, topography, settlements, and other features adjacent to the river. 1 inch to approx. 2 nautical miles. Source: U.S.S. *Wilmington.* (Filed as 561.52)

1683. LOWER YANGTZE RIVER: LI-SZE-CHAU OR PIN-SIN-CHAU CHANNEL. 1874. 1 item.
Tracing of the river channel at Pin-Sin-Chau Island, located approximately 25 miles downstream from Nanking, showing soundings, the shoreline, and the village of Ko-Tse-Kong (salt station). 1:10,000. Source: U.S.S. *Ashuelot.* (Filed as 451.30, #2)

1684. LOWER YANGTZE RIVER: TAPING, TA-OUTSE, AND SILVER ISLANDS. 1890. 1 item.
Tracing of British Admiralty chart No. 1770, with corrections in red ink, covering a small part of the river at "Kiutang or Silver Island," located downstream from Nanking in the vicinity of Chen-Chiang or Chinkiang harbor, and showing the correct position of Taping Island, anchorages at Ta-Outse Island harbor, the place where the "French fleet anchored during the Franco-Chinese war called now 'French Bay,' " and local place-names. Large scale. Source: U.S.S. *Monocacy.* (Filed as 452.23, tracing 1)

1685. LOWER YANGTZE RIVER: DOVE POINT AND HUNTER ISLAND. 1891. 3 items.
Tracings designed to show corrections to British Admiralty chart No. 2695. Large scale. Source: U.S.S. *Monocacy.* (Filed as 452.25, #1-#3)

1686. LOWER YANGTZE RIVER: CHINKIANG (OR CHEN-CHIANG) HARBOR. 1892. 1 item.
Tracing of a chart, originally surveyed by "C. P. Dawson, I.C.M.C.," showing harbor soundings, "Chinese Town," English concession area, lumber stores, and shoreline features. Large scale. Source: U.S.S. *Petrel.* (Filed as 461.26)

1687. LOWER YANGTZE RIVER: CHANNEL SURVEYS. 1900. 5 items.
Tracings of charts—covering Silver Island Pass, Wade Island Channel, N.E. Crossing Channel, Oliphant Island Channel, and Hunter Island Bluff Channel—from survey by "harbor master" (unidentified). All show soundings and lighthouses. Large scale. Source: U.S.S. *Nashville.* (Filed as 2123.23, #1-#5)

1688. LOWER YANGTZE RIVER: SILVER ISLAND CROSSING. 1901. 2 items.
Two similar tracings (one annotated "Found inside an old copy of B.A. 2809, in Div. C[hart] C[onstruction] Nov. 3, 1916.") of charts surveyed by W. F. Tyler,

deputy coast inspector at Shanghai, in the revenue steamer *Chuentiao.* Both show soundings and topographic features, including forts along the riverbanks. 1 inch to 600 feet. (Filed as 4123.13, #1 and #2)

1689. LOWER YANGTZE RIVER: HANGKOW ANCHORAGE. 1900. 1 item.

Tracing of a chart from a survey by the harbormaster showing soundings and profile sketches of waterfront buildings. Large scale. Source: U.S.S. *Nashville.* (Filed as 2123.23, #6)

1690. UPPER YANGTZE RIVER: TUNG TING LAKE (TUNG T'ING HU) AND VICINITY. 1892. 1 item.

Tracing, received as part of a hydrographic report about the river between Yochow and Changsha, showing lake and surrounding rivers, place-names, distances in Chinese "Li," and pagodas. Scale is not shown. Source: U.S.S. *Alliance.* (Filed as 452.30)

1691. NORTH BAY, SIDE SADDLE ISLANDS (LU-HUA SHAN), ENTRANCE TO HANGCHOW BAY. 1892. 1 item.

Tracing showing hydrography, the shoreline, and "houses." This chart, described in the transmittal letter (filed among the textual records) as the first survey of North Bay, was used as a basis for Hydrographic Office chart No. 1361. Approx. 20 inches to 1 nautical mile. Source: U.S.S. *Monocacy.* (Filed as 471.48, #1)

1692. NORTH BAY, SIDE SADDLE ISLANDS (LU-HUA SHAN), ENTRANCE TO HANGCHOW BAY. 1893. 1 item.

Published chart of North Bay (H.O. chart No. 1361), based on the 1892 survey by the U.S.S. *Monocacy,* annotated with corrections, and received from the flagship U.S.S. *Lancaster* (the name appearing on the chart), showing hydrography, the shoreline, and dwellings. 1 inch to 100 yards. (Filed as 471.48, #2)

1693. MOUTH OF YUNG RIVER, HANGCHOW BAY. 1890. 1 item.

Tracing of British Admiralty chart No. 1592, corrected in red ink, showing local place-names, navigation aids, and anchorages. Large scale. Source: U.S.S. *Monocacy.* (Filed as 452.23, tracing 2)

1694. SANMEN WAN (SAN MUN BAY). 1879. 11 items.

Two manuscript charts showing islands and the track of the ship in the vicinity of San Mun Bay, and nine chronometer comparison sheets for longitude determination. The charts cover Montague Island (Tanto Shan), Medusa Rock, Nyew-Tew Island, and Sheipoo Harbor. Scale of charts, 1 inch to approx. 1 nautical mile. Source: U.S.S. *Monocacy.* (Filed as 451.8)

1695. NIMROD SOUND, SANMEN WAN (SAN MUN BAY). 1902. 3 items.

Charts, forwarded as part of a hydrographic report (filed among the textual records of the Hydrographic Office), showing the entrance, middle part, and head of Nimrod Sound; hydrography; coastal features; ricefields; irrigation canals; and dwellings. Approx. 2 inches to 1 nautical mile. Source: U.S.S. *Wilmington.* (Filed as 582.50)

1696. SANMEN WAN (SAN MUN BAY) AND NIMROD SOUND. 1903. 4 items.

Manuscript charts, based partly on the 1902 survey by the U.S.S. *Wilmington* and forwarded as part of a military reconnaissance made by Comdr. S. A. Staunton, covering Middle Treble Island, Treble Island Harbor, and Medusa Creek vicinity, Nimrod Sound; and San Mun Harbor and entrance. Shown are hydrography, topography, buildings, battery sites, villages, cultivated lands, and a proposed naval base. Large scale. Source: U.S.S. *Helena.* (Filed as 153.15, #1-#4)

1697. UPPER ANCHORAGE OF WENCHOW HARBOR. 1896. 1 item.

Manuscript chart, forwarded as part of a hydrographic report, showing harbor soundings, Kiang-sing-szu or Pagoda Island, anchorage positions for junks and "foreign men of war," a customhouse, and the wall of the city. Approx. 12 inches to 1 nautical mile. Source: U.S.S. *Machias.* (Filed as 4101.32)

1698. WENCHOW HARBOR. 1907. 1 item.
Tracing of a chart from a survey by Harbormaster Alfred Walker, showing hydrography, the city wall and gates, pagodas, and other landmarks. Large scale. Source: U.S.S. *Wilmington.* (Filed as 1101.32, #2)

1699. WENCHOW BAY. 1907. 4 items.
Preliminary boat sheets and planetable sheets from a survey. Large scale. Source: U.S.S. *Wilmington.* (Filed as 1101.32, #3-#6)

1700. CHANNEL AT WENCHOW BAY. 1907. 1 item.
Tracing showing channel from "Wenchou Fu" (city) to Rocky Point, place-names, the ancient city of Pan Chu, and mudbanks. Approx. 3 inches to 1 nautical mile. Source: U.S.S. *Wilmington.* (Filed as 1101.32, #1)

1701. FUKIEN PROVINCE. 1893. 1 item.
"Map of a Part of Fukien, By W. J. Clennel, H. M. Consular Service. Names in black give the sound in Kuan-Hua. Names in red give the sound in Amoy vernacular." Printed chart, forwarded by the U.S. consul in Amoy, covering all but the extreme northern, western, and southern parts of the province and showing Hsien (district) boundaries, cities, roads, and notes on population. Approx. 1:410,000. (Filed as 461.50)

1702. NAM KWAN HARBOR, NORTHERN PART OF FUKIEN PROVINCE. 1901. 1 item.
Blueprint of British Admiralty chart No. 1980, "Nam Kwan Harbor Surveyed by Captn. R. Collinson R.N. 1846," with corrections, showing harbor soundings, topography, mudflats, and types of crops cultivated in the immediate area. Approx. 2 inches to 1 nautical mile. Source: U.S.S. *Wilmington.* (Filed as 4123.48)

1703. SAN-TU ISLAND PROFILE, SAMSA (SAN-SHA) BAY, NORTHERN FUKIEN PROVINCE. 1901. 1 item.
View, containing notes on tides, from the anchorage of the U.S.S. *Kentucky* by naval cadet Jeffers. (Filed as 4122.14)

1704. TUNG YING ANCHORAGE, NORTH OF ENTRANCE TO MIN CHIANG (MIN RIVER). 1885. 1 item.
Manuscript chart showing hydrography, the shoreline, and a fishing village. Approx. 5 inches to 1 nautical mile. Source: U.S.S. *Palos.* (Filed as 463.19)

1705. ENTRANCE TO MIN CHIANG (MIN RIVER). 1885. 1 item.
"Plan of the Woga [now Wei-Tou] and Hokiang [now K'un-chiang Shan] entrances of the Min River" showing hydrography, islands, topography, settlements, forts, and canals. Approx. 4 inches to 1 nautical mile. Source: U.S.S. *Juniata.* (Filed as 463.16)

1706. PAGODA ANCHORAGE, ENTRANCE TO MIN CHIANG (MIN RIVER). 1883. 1 item.
Tracing, apparently of a chart from a survey by the harbormaster, keyed to a list of 21 buildings, beacons, islands, and other landmarks. Large scale. Source: U.S.S. *Monocacy.* (Filed as 451.10)

1707. PAGODA ANCHORAGE, ENTRANCE TO MIN CHIANG (MIN RIVER). 1907. 1 item.
Tracing, marked "Enclosure B," of a chart from a survey in 1905 by the Chinese revenue cutter *Chuento.* It shows soundings (additional soundings are marked in red), villages, a pagoda on Losing Island, and other landmarks. Approx. 5 inches to 1 nautical mile. Source: U.S.S. *Concord.* (Filed as 492.23, #1)

1708. PAGODA ANCHORAGE, ENTRANCE TO MIN CHIANG (MIN RIVER). 1908. 1 item.
Blueprint of a chart by Ens. G. O. Carter, USN, showing hydrography, a pagoda, and other landmarks. Approx. 5 inches to 1 nautical mile. Source: U.S.S. *Wilmington.* (Filed as 492.23, #2)

1709. SHEN-HU BAY. N.d. 1 item.
Manuscript chart, acquired from the Spanish authorities of the Philippines, showing Shen-hu (Chnoo-moo) Bay and the village of Yung-ning (Yunting), a small harbor located on the Formosa Straits immediately north of the Amoy approaches. Large scale. (Filed as Spanish chart #187)

1710. CHANNEL SOUTH OF AMOY APPROACHES. 1868. 1 item.

"Channel between Lantia Island and House Hill." Tracing from a survey by H.M.S. *Rifleman,* assisted by the U.S.S. *Aroostook* and H.M.S. *Banterer.* It covers a small part of the coast, including Tingtae Bay (Ting-t'ai Wan), Notch Island (Lin-chin Hsu), and Lantia Island (Nan-t'ing). Large scale. (Filed as 453.42)

1711. SWATOW HARBOR, KWANTUNG PROVINCE. 1893. 1 item.

Small tracing showing the Chinese quarter, the foreign quarter, buildings, and anchorage areas. Scale is not shown. Source: U.S.S. *Alert.* (Filed as 452.43)

1712. HONG KONG HARBOR AND APPROACHES. 1892. 1 item.

Published chart of Hong Kong Harbor and approaches (H.O. chart No. 929, dated 1891), annotated with corrections, showing hydrography, topography, swamp areas, ricefields, prominent buildings in the city of Victoria, and smaller settlements. Approx. 1 1/2 inches to 1 nautical mile. Source: U.S.S. *Alert.* (Filed as 471.30, #6)

1713. NAM SHA BAY, TONG HO ISLAND (SOUTHWEST OF HONG KONG). 1903. 1 item.

Manuscript chart showing hydrography, topography, cultivated fields, a road, and other features. 1 inch to approx. 200 feet. Source: U.S.S. *Gallao.* (Filed as 162.20)

1714. MACAO ROADS. 1867. 1 item.

Small unidentified manuscript plan, possibly prepared in the Hydrographic Office as an inset to a larger chart. Unfinished title reads, "Macao Roads surveyed _____1867"; name in margin reads, "A. Welcker del." Scale is not shown. (Filed as 463.5)

1715. CANTON RIVER FROM HONG KONG AND MACAO TO CANTON. 1890. 5 items.

British Admiralty charts of the Canton River, Nos. 1739-42 and 1782, sheets I through V (most dated in the 1880's), annotated with corrections in red ink by Lt. D. H. Mahan. The charts show river soundings, settlements, canals, cultivated fields, pagodas, and other landmarks near the river. Approx. 3 inches to 1 nautical mile. Source: U.S.S. *Alert.* (Filed as 471.30, #1-#5)

1716. CANTON HARBOR. 1896. 1 item.

"Port of Canton, October 1896." Tracing of an original chart in the office of the harbormaster, received in 1901 from the U.S.S. *Don Juan de Austria,* showing soundings; "flower-boat anchorage"; piers; the location of the German, Danish, British, American, and French consulates; and other waterfront features. 1 inch to 400 feet. (Filed as 2123.18)

1717. CANTON HARBOR. 1903. 1 item (4 sections).

Large tracing, forwarded by the U.S. consul general, showing hydrography and the location of buildings and fields along the shore. Large scale. (Filed as 461.15)

1718. CANTON HARBOR. 1904. 1 item.

Unidentified tracing, possibly of a chart by the Whampoa Dock Co. of Hong Kong, whose name appears on an accompanying folder. It shows hydrography; British and French concession areas; British, American, and French consulates; a customhouse; and other harbor facilities. Also included are ship mooring locations, two of which are marked "USN." 1 inch to 304 feet. (Filed as 463.29, #1)

1719. CANTON HARBOR MOORING PLANS FOR U.S. SHIPS. 1904. 3 items.

Blueprint plans showing details of permanent mooring anchors, buoys, and locations. Large Scale. Source is not shown but possibly is Whampoa Dock Co. of Hong Kong (the name appearing on an accompanying folder). (Filed as 463.29, #2-#4)

1720. CANTON HARBOR, BACK REACH AREA. 1907. 1 item.

Tracing of a chart, apparently from a survey by the R.S. *Fei-Hoo* in 1904, showing the position of a buoy off Macao Fort and soundings. Large scale. Source: U.S.S. *Concord.* (Filed as 463.17, #1)

1721. CANTON HARBOR, TAI MEI SPIT AREA. 1907. 1 item.

Tracing of a chart, apparently from a survey by the R.S. *Fei-Hoo* in 1904, showing the beacon location and soundings. Large scale. Source: U.S.S. *Concord.* (Filed as 463.17, #3)

TAIWAN AND THE PESCADORES ISLANDS

1722. KIRUN (KEELUNG OR CHI-LUNG) HARBOR AND ADJACENT COAST, NORTH COAST OF TAIWAN. 1854. 2 items.

"Keelung Harbor Island of Formosa Surveyed By Order of Commodore M. C. Perry, U.S.N. By Lieut. Geo. Henry Preble Assisted by Passed Mid'n. Walter F. Jones, U.S.N. During the visit of the U.S. Ship *Macedonian* Capt. Joel Abbot U.S.N. July 1854." Smooth manuscript chart and rough worksheet covering Keelung Harbor, nearby Coal Harbor, and Quar-se-kow Bay. The chart shows hydrography, coastal topography, dwellings, an old fort, a market, and cultivated fields. Notes relate to coal mines and the availability of foodstuffs. Insets: eight views of prominent shoreline features. Approx. 8 inches to 1 nautical mile. (Filed as 451.36, #49a and #49b)

1723. KIRUN (KEELUNG OR CHI-LUNG) HARBOR AND ADJACENT COAST, NORTH COAST OF TAIWAN. 1854. 2 items.

Two printed versions of the manuscript chart described in entry 1722. Approx. 8 inches to 1 nautical mile. (Filed as 451.36, #49c and #49d)

1724. QUAR-SE-KOW AND KE-AR-LE-OW BAYS, NORTH COAST OF TAIWAN. 1854. 1 item.

Rough "Eye and compass sketch" by Midshipman K. R. Breese, apparently of the U.S.S. *Macedonian,* commanded by Commodore Matthew C. Perry. It covers area east of Kirun or Keelung (Chi-lung Harbor) and shows hydrography, coastal topography, outcrops of coal, the location of freshwater, and a village. Scale is not shown. (Filed as 451.36, #48)

1725. PORT MAKUNG, PESCADORES ISLANDS. 1885. 4 items.

Two annotated tracings of a French chart and two small tracings of local areas showing hydrography, topography, towns, and Fort du Nord. 1 inch to approx. 400 meters. Source: U.S.S. *Trenton.* (Filed as 463.12)

Philippines

1726. ARMY TELEGRAPH LINES IN THE PHILIPPINES. 1901-2. 3 items.

Published progress maps of the Philippines, prepared under the direction of A. W. Greely, chief signal officer, U.S. Army, showing Army Signal Corps lines and cables corrected to October 1, November 15, and March 1, 1902, respectively. In addition to telegraph lines, two of the maps show telegraph and telephone stations, open ports, coastwise ports, lighthouses, post offices, and garrison towns. Small scale. (Filed as 4122.13)

Additional maps are filed among Records of the Office of the Chief Signal Officer, Record Group 111.

1727. TELEGRAPH CABLES IN THE PHILIPPINES. 1902. 11 items.

Tracings of parts of the Philippines, annotated with red ink to show interisland submarine cables established by the U.S. Government. The cable work was conducted under the supervision of Frederick A. Hamilton and Henry Winter. Scales vary. (Filed as 5122.12)

1728. BOUNDARY BETWEEN THE PHILIPPINES AND BORNEO. 1903. 8 items.

Annotated chart showing the limits of U.S. jurisdiction in the Philippines: a blue line relates to the 1898 treaty between the United States and Spain; a red line, to the protocol of 1900; and a black line, to the addition of August 1903. Also included are seven published Hydrographic Office charts showing parts of the boundary between the Philippines and Borneo. Small scale. (Filed as 563.49)

BATAN ISLANDS (BATANES)

1729. IBANA (IVANNA) BAY, SOUTHWEST COAST OF BATAN ISLAND. 1759. 1 item.

"Bahia de Ivanna en las Islas Batanes . . . por el Capn. Gorge Baker, 1759."

Manuscript chart, apparently a duplicate copy (drawn during the 1800's) of an original 1759 chart, showing soundings and the town of Ivanna. Annotations refer to the Comandancia General de Marina. Approx. 16 inches to 1 nautical mile. (Filed as Spanish chart #163)

LUZON

1730. ISLAND OF LUZON. 1899. 1 item.
"Island of Luzon and its Surroundings." Map, printed by "Establecimiento Tipo-Lithografico del Diario de Manila," showing existing and proposed lighthouses and railroads, rivers, telegraph lines, mail stations, towns, and provincial capitals and boundaries. 1:1,000,000. (Filed as Spanish chart #154)

1731. NORTH COAST OF LUZON AND BABUYANES ISLANDS. 1849-50. 1 item.
"Carta de la Costa Septentrional con trozos de la occidental y oriental de la Ysla de Luzon y el archipielago de las islas Babuyanes, calcada sobre la carta original que delineo en 1844 Don Antonio Morata . . . ." Manuscript chart, prepared in 1849 (the date 1850 also appears in the lower right corner), showing coastal anchorages and place-names, settlements, trails, names of some tribes, mountain peaks, and other features. Corrections were added in pencil after the map was drawn in ink. Annotations refer to the Comandancia General de Marina. 1 inch to 4 nautical miles. (Filed as Spanish chart #95)

1731a. NORTHERN LUZON. 1899. 1 item.
"Northern Luzon. Traced from a Map Compiled by D'Almonte. Office of Chief Engineer 8th Army Corps. December 1st 1899." Blueprint map showing provincial capitals and boundaries, towns, rancherias, roads, and trails. Annotations in red crayon relate to rivers. 1:400,000. (Filed as 4121.9, #1)

1732. LOWER CAGAYAN RIVER. 1849. 2 items.
"Plano . . . Del Rio Cagayan desde su embocadura hasta el Pueblo de Lal-lo Levantado de Orden del . . . Don Manuel de Quesada Comandante General de Marina del Apostadero de Filipinas. Marzo de 1849." Two duplicate manuscript charts showing river soundings, a road, and towns. Approx. 3 1/2 inches to 1 nautical mile. (Filed as Spanish charts #99 and #157)

1733. CAGAYAN RIVER. 1898. 1 item.
"Filipinas. Rio Grande de Cagayan . . . Corregido en Octubre de 1898 per H. Esival y Rosell." Manuscript map, received as an enclosure to a letter from the U.S.S. *Helena,* covering area from the mouth of the river at the town of Aparri to the town of Ilagan and showing settlements, wooded areas along the river, rocks, and shoals. 1 inch to approx. 1 1/2 nautical miles. (Filed as 5113.5)

1734. MOUTH OF CAGAYAN RIVER AND APPROACHES. 1900. 1 item.
Smooth sheet from survey showing soundings, shoals, and the location of the town of Aparri. 3 inches to 1 nautical mile. Sources: U.S. ships *Bennington* and *Samar.* (Filed as 1121.48)

1735. SAN VICENTE HARBOR. 1900. 1 item.
Blueprint of survey chart of "San Vincente" [sic] showing hydrographic information. Approx. 9 inches to 1 nautical mile. Source: U.S.S. *New Orleans.* (Filed as 2121.5, #1)

1736. SAN VICENTE HARBOR. 1901. 1 item.
Rough hydrographic sheet from survey of inner harbor showing soundings and the shoreline. Approx. 18 inches to 1 nautical mile. Source: U.S.S. *Bennington.* (Filed as 2121.20)

1737. SAN VICENTE HARBOR. 1901. 1 item.
Printed chart of "Inner Harbor of Port San Vicente From a survey in August, 1900 by . . . U.S.S. *Bennington* . . .," annotated "For original see Arch. Doc. 2121.20" and published in *Notice to Mariners* No. 5, 1901. 1 inch to approx. 170 yards. (Filed as 2121.5)

1738. CASIGURAN BAY AND CAPE ILDEFONSO. 1899. 1 item.
"Sketch of Kasiguran Bay and Running survey of Cape Ildefonso by U.S.S. *Wheeling* in Sept. 1899." Tracing showing the

shoreline and a limited number of soundings. 1 inch to 1 nautical mile. (Filed as 4112.5)

1739. CASIGURAN BAY VIEW. 1900. 1 item.
Ink landscape sketch by A. N. Mitchell, naval cadet, showing mountain topography, including Baltimore Peak, on east side of "Kasiguran" Bay. Source: U.S.S. *Baltimore.* (Filed as 5113.9, #3)

1740. CASIGURAN BAY. 1900. 1 item.
Reconnaissance chart of "Kasiguran" Bay showing soundings, the shoreline, Wheeling Peak, and the direction to Baltimore Peak. Approx. 2 1/2 inches to 1 nautical mile. Source: U.S.S. *Baltimore*. (Filed as 5113.9, #4)

1741. CASIGURAN BAY AND SOUND. 1901. 1 item.
First edition of published H.O. chart No. 1865 based on survey by the U.S.S. *Baltimore* in 1900 and annotated "in red from observations by Lieut. L. Van Duzen, USN, who surveyed this harbor in the *Charleston.*" Annotations indicate topographic features. Inset: view of east side of the bay. 2 inches to 1 nautical mile. (Filed as 5113.9, #5)

1742. STREAM ENTERING CASIGURAN BAY. 1901. 2 items.
Sketch chart and a view of the bay from the anchorage of the U.S.S. *Vicksburg.* 1 inch to 200 yards. (Filed as 3122.42)

1743. BALER HARBOR AND PART OF GULF OF CASIGURAN. 1900. 1 item.
"Ensenada de Baler." Small blueprint chart made in the office of the chief engineer, Division of the Philippines, from an original in possession of the Branch Hydrographic Office at Manila. The shoreline, reefs, and an anchorage are shown. 1 inch to 3 nautical miles. (Filed as 2121.24, #2)

1744. DINGALAN (DINGALA) BAY. 18—. 1 item.
"Descripcion de la Rada entre Umirey Dingala ...." Manuscript chart showing hydrography, settlements, coastal topography, and notes on inhabitants. Annotations refer to the Comandancia General de Marina. Approx. 1 1/4 inches to 1 nautical mile. (Filed as Spanish chart #167)

1745. DINGALAN (DINGALA) BAY. 18—. 1 item.
Untitled manuscript chart of "Ensenada de Dingala" showing names of local rivers, a few soundings, and a rectangular tract of land labeled "Tierras Denunciadas." Annotations refer to the Comandancia General de Marina. Approx. 2 1/2 inches to 1 nautical mile. (Filed as Spanish chart #185)

1746. PORT LAMPON AND POLILLO ISLAND. 1754. 1 item.
"Plano de la Bahia de Lampon en la Costa Orientl. de Luzon por Manuel Galves 1754." Manuscript chart, apparently a duplicate copy (drawn in 1849) of an original 1754 chart, showing soundings and a fort. Reverse side is annotated "26. Procedente de la Capitania del Puerto en ... 1849." 1 inch to approx. 5 nautical miles. (Filed as Spanish chart #164)

1747. PORT LAMPON. 1849. 2 items.
"Plano del Puerto de Lampon a la parte oriental de la Ysla de Luzon." Two similar manuscript charts, possibly related to the 1754 chart described in entry 1746. Date of copy is not given, but one version is annotated on the reverse side "27. Procedente de la Capitania del Puerto en ... 1849." Both charts show settlements, soundings, and annotations referring to the Comandancia General de Marina. 1 inch to approx. 2 1/2 nautical miles. (Filed as Spanish charts #165 and #171)

1748. PORT LAMPON. 1900. 2 items.
"Port Lampong, Luzon, E. Coast Reconnoissance [sic] by the U.S.S. *Yorktown,* October, 1900." Manuscript chart and duplicate blueprint copy showing harbor soundings, a village, coastal swamps, and survey observation points. Approx. 8 inches to 1 nautical mile. (Filed as 2123.32, #1 and #2)

1749. BINANGONAN ANCHORAGE AND PORT LAMPON. 1900. 2 items.

Manuscript chart and duplicate blueprint copy, entitled "Binangonan," from a reconnaissance survey. Shown are landings, villages, soundings, and a channel reported by a native pilot. Approx. 2 inches to 1 nautical mile. Source: U.S.S. *Yorktown*. (Filed as 2123.32, #3 and #4)

1750. STRAIT BETWEEN CABALETE AND ALABAT ISLANDS, LAMON BAY. 1880. 1 item.

"Plano del estrecho entre Alabat y Cabalete Levantado por el 2o. Piloto D. Miguel Bayona y Llorca." Manuscript chart showing soundings. Annotations refer to the Comandancia General de Marina. Approx. 2 1/2 inches to 1 nautical mile. (Filed as Spanish chart #97)

1751. SAN MIGUEL BAY TO ALBAY (LEGASPI) BAY. 1834. 1 item.

"Carta de las Costas N.E. de las Provincias de Camarines y Albay en la Ysla de Luzon . . . Dn. Federico de Vargas. Ano de 1830." Manuscript chart showing place-names and a few soundings along the coast. Additions in red ink relate to an 1834 anchorage at Cataduanes Island. Annotations refer to the Comandancia General de Marina. 1 inch to approx. 7 nautical miles. (Filed as Spanish chart #158)

1752. SAN MIGUEL BAY AND SISIRAN BAY. 1849. 1 item.

"Plano de la Bahia de San Miguel de Naga en Luzon Copiado de un manuscrito Espanol." Manuscript chart with an inset—"Plano del Puerto de Seeseeran en Luzon Por Don Manl. Galves." The chart, which is undated but annotated on reverse side "Procedente de la Capitania del Puerto en . . . 1849," shows coastal place-names, shoals, anchorages, and a few soundings. Others annotations refer to the Comandancia General de Marina. Scale is not shown. (Filed as Spanish chart #161)

1753. SAN MIGUEL BAY. 1899. 1 item.

Sketch chart on tracing cloth showing the shoreline, a line of soundings, and a few landmarks. 1 inch to 1 nautical mile. Source: U.S.S. *Wheeling*. (Filed as 4111.49, #2)

1754. SAN MIGUEL BAY. 1899-1900. 1 item.

Tracing showing soundings and corrected position of San Miguel Island. 1 inch to 1 nautical mile. Sources: U.S. ships *Wheeling* and *Marietta*. (Filed as 5112.27, #1)

1755. SIRUMA ISLAND REEFS AND PART OF SAN MIGUEL BAY. 1900. 1 item.

Tracing showing reefs in the vicinity of Siruma Island and part of the coastline of San Miguel Bay. Scale is not shown. Source: U.S.S. *Baltimore*. (Filed as 5113.9, #1)

1756. MOUTH OF BICOL RIVER, SAN MIGUEL BAY (INCOMPLETE). 1832. 1 item.

"Plano de la Barra y parte del Rio Bicol o Grande de Camarines Sur. Levantado por el Capitan . . . de Ynfanteria Don Jose Maria Penaranda, Ayudanta de Campo del . . . Don Pascual Enrile." Manuscript chart (most of which is missing), possibly a duplicate copy (drawn after 1832) of an original 1832 chart. Annotations refer to the Comandancia General de Marina. Scale is not shown. (Filed as Spanish chart #189)

1757. BICOL RIVER FROM SAN MIGUEL BAY TO NAGA CITY (NUEVA CACERES). 1900. 1 item.

"Channel of the Bicol River to Nueva Caceres . . . made from courses and time intervals, distances not exact . . . ." Tracing showing the navigable part of the river and such landmarks as huts and large trees along its course. It is annotated in pencil to show grid pattern and bearings. Approx. 1 1/2 inches to 1 nautical mile. Source: U.S.S. *Marietta*. (Filed as 5112.27, #2)

1758. NAGA CITY (NUEVA CACERES). 1900. 1 item.

"Croquis aproximado del rio y barra Nueva Caceres." Blueprint made in the office of the chief engineer, Division of the Philippines, from an original in the possession of the Branch Hydrographic Office at Manila. It shows the outline of the river, the track

used by ships, and the towns of Cabusao and Nueva Caceres. Approx. 1 inch to 1 nautical mile. (Filed as 2121.24, #3)

1759. NAGA CITY (NUEVA CACERES). 1900. 2 items.
"Map of Harbor of Nueva Caceres, Ambos Camarines [Province], From a Spanish Map of 1890 Corrected to October 6th, 1900." Tracing and duplicate blueprint, forwarded by the Branch Hydrographic Office at Manila, showing names of streets, buildings, the head of navigation on Rio Bicol (Vicol), and the canal ferry across the Rio de Naga. 1:2,000. (Filed as 2122.9, #1 and #2)

1760. SISIRAN BAY. 1757. 1 item.
"Plano del Puerto De Sisiran situado en la Provincia de Camarines . . . 1757." Manuscript chart, apparently a duplicate copy (drawn about 1849) of an original 1757 chart. Annotation "34" on the reverse side is similar to that on other charts dated 1849. Other annotations refer to the Comandancia General de Marina. The chart shows settlements, notes on inhabitants of Quinalasag Island, and a few soundings. Large scale. (Filed as Spanish chart #170)

1761. SISIRAN BAY. 1899. 1 item.
Sketch chart of Sisiran Bay and partial shoreline of "Kinalasag" (Quinalasag) Island showing soundings, fishweirs, and a village. Approx. 2 inches to 1 nautical mile. Source: U.S.S. *Wheeling.* (Filed as 4111.49, #4)

1762. PITOGO BAY, MAQUEDA CHANNEL, EAST END OF CARAMOAN PENINSULA. 1900. 3 items.
"Reconnaissance of first Day South of Kanamuan Point, Maqueda Channel Made October 16 and 17, 1900 by Officers of U.S.S. *Quiros.*" Tracing, blueprint, and printed version of the same chart, published in *Notice to Mariners* No. 10, 1901. Shown are soundings, fishweirs, and the shoreline. Scale of tracing, 1 inch to 500 yards. (Filed as 2123.27, #1-#3)

1763. GIJALO ANCHORAGE, LAGONOI GULF. 1900-1901. 2 items.
Two versions of the same chart, a tracing and a printed version, published in *Notice to Mariners* No. 10, 1901. Hydrography and the village of Gijalo are shown. 1 inch to 300 yards. Source: U.S.S. *Quiros.* (Filed as 2123.26, #1 and #2)

1764. TOBACO BAY ENTRANCE. 1899. 1 item.
Tracing of the entrance to Tobaco (Tobako or Tabako) Bay, including part of San Miguel Island, showing soundings, the shoreline, several churches included as landmarks, and "Warner Barnes & Company." Approx. 2 inches to 1 nautical mile. Source: U.S.S. *Wheeling.* (Filed as 4111.49, #3)

1765. CHANNEL BETWEEN TOBACO BAY AND ALBAY (LEGASPI) GULF. 1900. 1 item.
Manuscript chart from a reconnaissance of the channel showing location of town of Tobaco, soundings, fishweirs, houses, topography, and the schooner *Oriente* at anchor. Scale is not shown. Source: U.S.S. *Baltimore.* (Filed as 5113.9, #2)

1766. ALBAY (LEGASPI) GULF. 1828 or 1849. 1 item.
"Seno de Albai Levantado por el Teniente de la Marina Sutil Dn. Jose Camps." Undated manuscript chart. Because other charts in this series are dated 1828 and bear the name Jose Camps, the assumption is that the date of this chart is also 1828, although the annotation "1849" on the reverse side suggests it is a duplicate copy drawn in 1849. Other annotations refer to the Comandancia General de Marina. The chart shows coastal place-names and is marked in pencil "No good here" in vicinity of Sugot Bay, on the south coast. 1 inch to 2 nautical miles. (Filed as Spanish chart #160)

1767. ALBAY (LEGASPI) GULF. 1899. 1 item.
Composite tracing of three charts on one sheet—Albay Gulf, showing correct approach to Legaspi (Albay) city; Sulu (or

Sula) Harbor, north coast of Albay Gulf; and Sugot Bay, south coast of Albay Gulf. Houses and fishweirs are shown. Large scale. Source: U.S.S. *Wheeling.* (Filed as 4111.49, #1)

1768. SULA HARBOR, NORTH SHORE OF ALBAY (LEGASPI) GULF. 1849. 2 items.

"Plano del Puerto de Sula." Two undated, duplicate manuscript charts showing soundings and place-names. One copy is annotated on reverse side "23. Procedente de la Capitania del Puerto en . . . 1849." Other annotations refer to the Comandancia General de Marina. Approx. 4 inches to 1 nautical mile. (Filed as Spanish charts #166 and #172)

1769. BAY OF SUGOT (SUGUT OR SUGOD), SOUTH SHORE OF ALBAY (LEGASPI) GULF. 1877. 1 item.

"Croquis del Puerto de Sugut levantado por el Teniente de Navio Dn. Juan Rapallo y Alferez de Navio Dn. Federico Compano. Ano de 1877." Manuscript chart showing coastal settlements. Approx. 5 1/2 inches to 1 nautical mile. (Filed as Spanish chart #155)

1770. PORT OF GUBAT. 1895. 1 item.

Blueprint sketch chart, copied from the original (drawn by Capt. E. Garcia y Zabola, 1895) at the Branch Hydrographic Office at Manila, 1900, showing a few soundings, the town of Gubat, and shoreline features. Legend is repeated in longhand on the reverse side. Approx. 2 inches to 1 nautical mile. (Filed as 2121.38, #1)

1771. SOUTH AND SOUTHEAST COASTS OF LUZON. 1901. 1 item.

Published chart of southern Luzon and adjacent islands (H.O. chart No. 1729, dated 1898), with notes on observed anchorages, soundings, tides, lighthouses, and other hydrographic information. Approx. 1:750,000. Source: U.S. Army transport *Warren.* (Filed as 2123.43)

1772. DONSOL ANCHORAGE, SOUTH COAST OF SORSOGON PROVINCE. 1901. 1 item.

Tracing showing soundings, the shoreline, and houses at Donsol. Approx. 10 inches to 1 nautical mile. Source: U.S.S. *Don Juan de Austria.* (Filed as 4122.17, #1)

1773. GULF OF RAGAY. 1830. 2 items.

"Carta Esferica del Seno de Guinayangan o De Ragay En La Ysla De Luzon Levantado por el Alferez de Navio . . . Dn. Federico Vargas Ano de 1830." Manuscript chart and tracing, possibly duplicate copies (drawn after 1830) of an original 1830 chart. The chart is annotated on the reverse side "Procedente de la Capitania del Puerto en . . . 1849." The tracing is annotated "Es copia de un ejemplar estampado que proporciono el Alferez de Navio Don Calixto las Heras. Copiado por Agapito Asuncion de orden del Sor. Comandante General." Other annotations refer to the Comandancia General de Marina. Both charts show settlements and place-names along the coast and a few soundings. 1 inch to approx. 3 nautical miles. (Filed as Spanish charts #153 and #162)

1774. PANTAO ROADSTEAD, GULF OF RAGAY. 1849. 1 item.

"Rada de Pantao . . . Levantado Por el Alferez de Navio . . . Dn. Federico Vargas." Manuscript chart showing a fort, houses, and shoreline features. Annotations refer to the Comandancia General de Marina. Large scale. (Filed as Spanish chart #139)

1775. PASACAO ANCHORAGE, GULF OF RAGAY. 1878. 1 item.

"Plano del Fondeadero de Pasacao Levantado por el Comandante . . . del Vapor *Patino.* Ano de 1878." Manuscript chart, copied by Agapito Asuncion, showing buildings, coastal topography, and soundings. Annotations refer to the Comandancia General de Marina. Large scale. (Filed as Spanish chart #136)

1776. PASACAO ANCHORAGE, GULF OF RAGAY. 1901. 1 item.

Tracing showing soundings and the shoreline. 1 inch to 200 yards. Source: U.S.S. *Don Juan de Austria.* (Filed as 4122.17, #2)

1777. PORT LAGUIMANOC AND PART OF PAGBILAO ISLAND, TAYABAS BAY. 1850. 2 items.

"Plano del Puerto de Laguimanoc . . . levantado en 1841 por . . . la Comision Hidrografica en el Archipielago Filipino y publicado en la Direccion de Hidrografica, Madrid, ano 1850." Two similar published charts. Annotations, dated 1852, refer to the Comandancia General de Marina. Approx. 3 inches to 1 nautical mile. (Filed as Spanish charts #101-1 and #101-2)

1778. PAGBILAO AND PORT LAGUIMANOC (CAPA-LUAN) AND BATANGAS BAY. 1763. 1 item.

Composite of two manuscript charts on one sheet, "Plano de Capa-Luan En la Provincia de Tayabas de la Ysla de Luzon Por Dn. Manl. Galves" and "Bahia de Batangas en la Ysla de Luzon Por el Capn. Will. Brereton 1763." The annotation "26" on the reverse side, similar to that on other charts dated 1849, suggests that this is a duplicate copy drawn in 1849. Other annotations refer to the Comandancia General de Marina. Large scale. (Filed as Spanish chart #169)

1779. BATANGAS BAY, SOUTHWEST COAST OF LUZON. 1898. 2 items.

Rough sketch chart of the shoreline of Batangas Bay, including the city of Batangas and adjacent pueblos, and a separate sheet of sketches of landmarks. Scale is not shown. Source: U.S.S. *Raleigh.* (Filed as 2112.15)

1780. BATANGAS ANCHORAGE, SOUTHWEST COAST OF LUZON. 1901. 1 item.

Blueprint of a large-scale sketch chart showing soundings and a pier. Approx. 15 inches to 1 nautical mile. Source: U.S. Army transport *Egbert.* (Filed as 3122.3)

1781. SOUTHWEST COAST OF LUZON FROM MANILA BAY TO LINGAYEN GULF. 18–. 1 item.

"Carta de parte de la costa occidental de la isla de Luzon desde el Puerto de Mariveles hasta la punta de Namagpacan. Es copia de una Carta manuscrita que proporciono el Maestro de la Escuela Nautica Don Jose Antonio Vico." Manuscript chart, copied (possibly in 1849) by Agapito Asuncion, showing coastal settlements, place-names, shoals, and a few soundings. Annotations refer to the Comandancia General de Marina. 1 inch to approx. 4 nautical miles. (Filed as Spanish chart #152)

1782. CORREGIDOR ISLAND, MANILA BAY. 1907. 1 item (2 sections).

"Defenses of Philippine Islands. Entrance to Manila Bay. Corregidor Island. Map Showing Fields of Fire of Batteries at Approved Locations. U.S. Engineer Office, Manila, P. I. September 30, 1907." Large blueprint showing shorelines and contours obtained from a 1902 survey. Insets: a topographic map of Corregidor Island and a location map of Manila and vicinity. Scale of main chart, 1 inch to 3,000 feet. Source: U.S.S. *Chattanooga.* (Filed as 533.14, #10)

1783. CHATTANOOGA BAY, CORREGIDOR ISLAND, MANILA BAY. 1908. 4 items.

Records of a survey of the bay—two plane-table sheets of the coastline, smooth sheet showing soundings, and copy of the smooth sheet. Approx. 8 inches to 1 nautical mile. Source: U.S.S. *Chattanooga.* (Filed as 533.14, #8, #9, #11, and #11 duplicate)

1784. RIVER GUAGUA, INCLUDING PORT OF ORANI, NORTHWEST SHORE OF MANILA BAY. 1846. 1 item.

"Croquis del Reconocimiento . . . por el Brigadier de la Armada . . . Ramon Banuelos en el Rio de Guagua desde la Barra de Pasac a desembocar en Orani en Febrero de 1846." Manuscript chart of the coastal area of Pampanga Province at Manila Bay showing settlements and river soundings. Annotations refer to the Comandancia General de Marina. Approx. 2 1/2 inches to 1 nautical mile. (Filed as Spanish chart #156)

1785. MOUTH OF BINUANGA RIVER, MANILA BAY. 18–. 1 item.

"Croquis de la Barra del Rio de Binuanga en la provincia de Bulucan." Manuscript chart of the river mouth, located on the north shore of Manila Bay, southeast of the city of Bolacan or Bulacan. Shown are a settlement, a fort, and approaches to the

river. Annotations refer to the Comandancia General de Marina. Large scale. (Filed as Spanish chart #135)

1786. RIVER PASIG OR MALAPADNABATO CONNECTING MANILA HARBOR WITH LAGUNA DE BAY. 1853. 1 item.
"Planos de un trozo del Rio Pasig llamado Malapadnabato que demuestra el canal . . . facilitar la Navigacion de los cascos entre Manila y la Laguna." Manuscript chart, in color, showing canal soundings, topography, a road, and buildings. Annotations refer to the Comandancia General de Marina. Large scale. (Filed as Spanish chart #39)

1787. SPANISH ROYAL ARSENAL AT CAVITE, MANILA BAY. 1838. 1 item.
"Plano del Real Arsenal de Cavite." Manuscript chart, apparently copied from the original after 1838, showing names of individual buildings. Annotations refer to the Comandancia General de Marina. Large scale. (Filed as Spanish chart #137)

1788. CAVITE AND VICINITY, MANILA BAY. 1872. 1 item.
"Plano del Puerto de Cavite . . . y parte de la bahia de Manila . . . levantado por la Comision Hidrografica en 1872." Large-scale manuscript chart showing hydrography, roads, vegetation, houses, cultivated fields, and marginal notes on sources and navigation. Annotations refer to the Comandancia General de Marina. Approx. 6 inches to 1 nautical mile. (Filed as Spanish chart #176)

1789. CAVITE ANCHORAGE, MANILA BAY. 1900. 1 item.
Tracing showing harbor soundings, the navy yard, Canacao Dock Yard, coal stores, and the wrecks of several Spanish vessels. Approx. 6 1/2 inches to 1 nautical mile. Source: U.S.S. *Celtic.* (Filed as 3123.36)

1790. SUBIC BAY. 18—. 1 item.
"Plano del Puerto de Subic situado en la Costa O. de Luzon." Manuscript chart showing soundings and the town of Subic. Annotations refer to the Comandancia General de Marina. Approx. 2 inches to 1 nautical mile. (Filed as Spanish chart #140)

1791. SUBIC BAY. 1862. 1 item.
"Plano del Puerto Subic levantado por Dn. Claudio Montero ano de 1862." Manuscript chart, annotated "No. 64 de la Costa Occidental de Luzon," showing coastal place-names, soundings, and topography. Approx. 2 inches to 1 nautical mile. (Filed as Spanish chart #159)

1792. SUBIC BAY. 1866. 1 item.
"Plano del Puerto de Subic al N.O. de la Bahia de Manila, Levantado en 1861 por la Comision hidrografica al mando del capitan de fragata D. Claudio Montero auxiliado por el alferez de navio D. Francisco Carrasco. Direccion de Hidrografica, Madrid 1866." Published chart, annotated with corrections and marginal notes, showing soundings, coastal topography, and place-names. Approx. 2 inches to 1 nautical mile. (Filed as Spanish chart #104)

1793. INNER HARBOR OF OLONGAPO, SUBIC BAY. 1900. 1 item.
Blueprint chart showing waterfront and harbor soundings. Large scale. Source: U.S.S. *Nashville.* (Filed as 551.24)

1794. SUBIC BAY. 1901. 8 items.
Preliminary worksheets from survey—seven boat sheets and annotated copy of British Admiralty chart No. 931, "Ports Subic and Silanguin From Spanish Government Surveys, 1885 & 1891." Several of the boat sheets are worked on both sides. Scale of British Admiralty chart, approx. 1 1/2 inches to 1 nautical mile. Sources: U.S. ships *Culgoa, Urdaneta,* and *Guardoqui.* (Filed as 3123.31, #2-#9)

1795. SUBIC BAY. 1901. 1 item.
Smooth sheet from survey, marked as preliminary Hydrographic Office chart #894p, showing hydrography, buildings, roads, the navy yard at Olongapo Port, and a few interior mountain peaks. Approx. 6 inches to 1 nautical mile. Sources: U.S. ships *Culgoa, Urdaneta,* and *Guardoqui.* (Filed as 3123.31, #1)

1796. PROPOSED SITE OF OLONGAPO BAY COALING STATION, SUBIC BAY. 1904. 4 items.

Records of a survey—three partly illegible boat sheets and triangulation sheet, annotated "Board, Comd. N. E. Mason, USN, Senior Member" and received from the U.S.S. *Kentucky*. Scales vary. (Filed as 261.27, #7-#10)

1797. SILANGUIN BAY (WEST OF SUBIC BAY). 1828. 1 item.

"Plano de la Bahia de Silanguin entre Punta Capones y Puerto Subic en la Costa Occidental de Luzon Levantado Por el Capitan de Marina D. Jose Camps 1828." Manuscript chart showing the shoreline and soundings. Annotations, possibly made after 1849, refer to the Comandancia General de Marina. Approx. 4 inches to 1 nautical mile. (Filed as Spanish chart #85)

1798. PART OF THE WEST COAST OF LUZON FROM BOTOLAN TO SANTA CRUZ. 1850. 1 item.

"Carta de un trozo de la Costa Occidental de Luzon Provincia de Zambales. Es copia de un ejemplar manuscrito que proporciono el Senor Don Manuel Cuarteron." Manuscript chart, copied by Agapito Asuncion in 1850, covering the coast from the ports of Iba and Botolan northward to Santa Cruz and Dos Hermanas Islands (latitudes 15°10′ to 15°50′N.). It is annotated "No. 40 de la costa occidental de Luzon. Pertenece a la Cartera de la Comandancia General de Marina." 1 inch to approx. 3 nautical miles. (Filed as Spanish chart #133)

1799. PART OF THE WEST COAST OF LUZON AT DASOL (SANTA CRUZ) BAY. 1850. 1 item.

"Carta de un Trozo de la Costa Occidental de Luzon Provincia de Zambales. Es copia de un ejemplar manuscrito que proporciono el Sor. Don Manuel Cuarteron." Manuscript chart, copied by Agapita Asuncion in 1850, showing the "Bahia de Sta. Cruz" and adjacent coastline. It is annotated "No. 41 de la Costa occidental de Luzon Pertenece a la Cartera de la Comandancia General de Marina." 1 inch to approx. 3 nautical miles. (Filed as Spanish chart #93)

1800. MASINLOC ANCHORAGE. 1900. 3 items.

Two similar tracings and one blueprint copy giving place-names as Masingluk and Masinglock. "Traced from H.O. Chart 1708. Red ink shows shoal of sand and coral not given on chart." Approx. 3 inches to 1 nautical mile. Source: U.S.S. *Samar*. (Filed as 3121.39, #1-#3)

1801. PORT OF SANTA CRUZ, ZAMBALES PROVINCE. 1900. 1 item.

"Croquis del Puerto de Sta. Cruz en Zambales . . . April 1900 E. Garcia (y Zabala)." Blueprint sketch, copied from the original at the Branch Hydrographic Office at Manila, 1900, showing a few soundings, the town of Santa Cruz, and shoreline features. English translation of title is shown on the reverse side. Inset: sketch of mountains visible from an anchorage. Approx. 1 inch to 1 nautical mile. (Filed as 2121.38, #4)

1802. PORT BOLINAO. 1849. 1 item.

"Puerto de Bolinao en la parte N. E. de la Costa de Zambales Rectificado por el Piloto Gonzales de la Escuela Nautica y Matricula de Manila." Manuscript chart, annotated "Copiado de orden del Senor Comandante General [de Marina] en Noviembre de 1849," showing soundings and shoreline features. 1 inch to approx. 140 "brazas" (fathoms). (Filed as Spanish chart #92)

1803. INNER ANCHORAGE OF PORT BOLINAO. 1900. 2 items.

Reconnaissance survey tracing and duplicate blueprint showing harbor soundings, fishtraps, anchorages, a village, and sailing directions for entering harbor. Approx. 12 inches to 1 nautical mile. Source: U.S.S. *Samar*. (Filed as 2122.46, #1 and #2)

1804. LINGAYEN GULF. 1899. 2 items.

Enlarged tracing of British Admiralty chart No. 2454, with soundings and corrections added, showing positions of entrenchments or temporary fortifications. Also included is a separate large-scale chart of a shoal. Scale of main chart, 1 inch to 2 nautical miles. Source: U.S.S. *Wheeling*. (Filed as 3113.37)

1805. PORT OF SUAL AND ADJACENT COAST, LINGAYEN GULF. 1849. 1 item.

"Chart of Puerto Sual, Gulf of Lingay, by Anthony Wilkinson–Master of the *Crest.*" Manuscript chart showing soundings and coastal topography in the Sual area, and rivers and channels at San Isidro and Lingayen. Annotations refer to the Comandancia General de Marina. Approx. 4 inches to 1 nautical mile. (Filed as Spanish chart #98)

1806. PORT OF SUAL, LINGAYEN GULF. 1852. 2 items.

"Plano del Puerto de Sual en el Golfo de Lingayen Levantado por el Teniente de Navio . . . Dn. Manuel de Sierra y Castro . . . ." Two manuscript versions, a rough copy and a smooth copy (titles vary slightly), both showing soundings, coastal topography, and settlements. The rough version has names of individual buildings not shown on the smooth version. Annotations refer to the Comandancia General de Marina. Large scale. (Filed as Spanish charts #88-1 and #88-2)

1807. PORT OF SUAL AND ADJACENT COAST, LINGAYEN GULF. N.d. 1 item.

"Plano del Puerto de Sual En el Golfo de Lingayen con las Yslas Inmediatas . . . ." Manuscript chart covering the adjacent coast to the north and to the south of Sual, including San Isidro. Annotations refer to the Comandancia General de Marina. Approx. 1 1/2 inches to 1 nautical mile. (Filed as Spanish chart #89)

1808. PORT OF SUAL, LINGAYEN GULF. N.d. 1 item.

"Plano del Puerto De Sual En la Ysla de Luzon dentro del Saco de Bolinao." Manuscript chart showing shoreline features, a few soundings, and an anchorage. Annotations refer to the Comandancia General de Marina. Approx. 9 inches to 1 nautical mile. (Filed as Spanish chart #84)

1809. SOUTHERN SHORE OF LINGAYEN GULF. 18–. 1 item.

"Plano del Golfo de Lingayen . . . copia de un ejemplar manuscrito que proporciono el Senor Don Nicolas Enrile. Copiado por Agapito Asuncion de orden del Senor Comandante General [de Marina]." Manuscript chart showing in detail roads, houses, canals, rivers, cultivated fields, and other topographic features, including the towns of San Isidro, Lingayen, and Calasiao, to about 4 miles inland. 2 inches to 1 mile. (Filed as Spanish chart #96)

1810. NORTHWEST COAST OF LUZON, LINGAYEN GULF TO CAPE BOJEADOR. 1849-50. 1 item.

"Carta De La Costa Occidental De La Ysla De Luzon desde Cabo Boninao en la Provincia de Zambales hasta Cabo Bojeador . . . Se copio de orden del Senor Comandante General de Marina para la Cartera hidrografica en 1849." Manuscript chart, copied in 1850 by Ramon Enriquez, showing settlements, anchorages, rivers, and mountain peaks. Topography is shown along the coast and from 20 to 30 miles inland. 1 inch to approx. 4 nautical miles. (Filed as Spanish chart #173)

1811. PORT SALOMAQUE AND ADJACENT COAST TO THE SOUTH. 18–. 1 item.

"Plan Del Trozo de Costa . . . en la que se comprenden los Puertos de Solot Solot y Salomaque." Manuscript chart showing coastal soundings and anchorages. Annotations refer to the Comandancia General de Marina. Approx. 2 inches to 1 nautical mile. (Filed as Spanish chart #94)

1812. PORT SALOMAQUE. 1849. 3 items.

"Plano del Puerto de Salomaque Situatado in la Costa Occidental de Luzon . . . ." Three similar manuscript charts (titles vary slightly). Annotations refer to the Comandancia General de Marina. Approx. 4 1/2 inches to 1 nautical mile. (Filed as Spanish charts #90, #100, and #103)

1813. SALOMAQUE AND VIGAN VICINITY. 18–. 1 item.

"Plano de los Puertos Principales en la Costa de Ylocos en Luzon Copiado de un manuscrito Espl." Manuscript chart showing anchorages. Inset: plan of Port of

Salomaque. 1 inch to approx. 1 1/4 nautical miles. (Filed as Spanish chart #91)

1814. SALOMAQUE HARBOR. 1900. 1 item.
Blueprint copy of a small harbor chart made in the office of the chief engineer, Division of the Philippines, from an original in the possession of the Branch Hydrographic Office at Manila. The chart shows the shoreline, a warehouse, a fort, and the adjacent island of Salomaque. Scale is not shown. (Filed as 2121.24, #1)

1815. SALOMAQUE HARBOR AND APPROACHES. 1900-1901. 3 items.
Two rough survey charts and early edition of published Hydrographic Office chart No. 1961 based on the rough charts. Soundings, shoreline features, and notes on tides and buoys are shown. Scales vary. Sources: U.S. ships *Yorktown, Quiros,* and *Samar.* (Filed as 3121.17)

1816. PORT SAN ESTEBAN ANCHORAGE. 1900-1901. 2 items.
Tracing dated 1900 and printed version published as part of *Notice to Mariners* No. 19, 1901. The coastline, soundings, and the anchorage location (lat. 17°21′ N., long. 120°26′ E.) are shown. Approx. 15 inches to 1 nautical mile. Source: U.S.S. *Samar.* (Filed as 3122.2, #1 and #2)

1817. PORT DIRIQUI (DIRIKIVI). 1900-1901. 2 items.
Tracing dated 1900 and printed version published as part of *Notice to Mariners* No. 19, 1901. Soundings, an anchorage, and the shoreline are shown. Notes on the printed version relate to variations in spelling of the name and to the "Board's decision." Scale of tracing, approx. 30 inches to 1 nautical mile. Source: U.S.S. *Samar.* (Filed as 3122.5, #1 and #2)

MINDORO AND LUBANG ISLANDS

1818. PORT TILIG (TILIC), LUBANG ISLAND. Ca. 1845. 4 items.
"Puerto de Tilic en la Ysla de Luban . . . Copiado por Agapito Asuncion de orden del Senor Comandante General . . . de Marina." Four similar manuscript charts showing soundings, a fort, and fishing huts. Approx. 3 inches to 1 nautical mile. (Filed as Spanish charts #102, #105, #138, and #168)

1819. CALAPAN (KALAPAN) ANCHORAGE, NORTH COAST OF MINDORO. 1901. 1 item.
Blueprint copy of original reconnaissance chart showing soundings, shoreline features, and buildings in the town of Kalapan. Approx. 4 inches to 1 nautical mile. Source: U.S.S. *Annapolis.* (Filed as 4122.1)

MARINDUQUE ISLAND

1820. BOAK ANCHORAGE, MARINDUQUE ISLAND. 1900. 1 item.
Small blueprint copy of original reconnaissance survey chart of "Buak" showing a few coastal features and an anchorage. 1 inch to 1,000 yards. Source: U.S.S. *Helena.* (Filed as 1121.21, #1)

1821. SANTA CRUZ HARBOR, MARINDUQUE ISLAND. 1900. 1 item.
Small blueprint copy of original reconnaissance survey chart showing a few soundings, an anchorage, and coastal mudflats. 1 inch to 1,000 yards. Source: U.S.S. *Helena.* (Filed as 1121.21, #2)

1822. SANTA CRUZ HARBOR, MARINDUQUE ISLAND. 1900. 3 items.
Manuscript chart from reconnaissance survey, tracing, and blueprint, all showing soundings and some topography. 1 inch to approx. 500 yards. Source: U.S.S. *Bennington.* (Filed as 2123.19, #1-#3)

BURIAS ISLAND

1823. BURIAS ISLAND, WITH PLAN OF NORTHEAST COAST. 1882. 1 item.
Manuscript composite of two charts on one sheet, both in Spanish. Annotations refer to the Comandancia General de Marina. Large scale. (Filed as Spanish chart #81)

1824. NORTHWEST COAST OF BURIAS ISLAND. N.d. 1 item.
Manuscript chart, apparently a copy of an earlier chart, showing offshore islands, a

ship's track, and place-names. Annotations refer to the Comandancia General de Marina. 1 inch to approx. 1 1/2 miles. (Filed as Spanish chart #82)

MASBATE ISLAND AND VICINITY

1825. SOUTH AND WEST COASTS OF MASBATE ISLAND, AND SIBUYAN ISLAND. 1837. 1 item.

"Plano Esferico de la Costa Sur y Oeste de Masbate 1837." Undated manuscript chart, copied from the 1837 original by Agapito Asuncion, showing soundings, settlements, and place-names. Annotations refer to the Comandancia General de Marina. 1 inch to approx. 8 nautical miles. (Filed as Spanish chart #146)

1826. WEST COAST OF MASBATE ISLAND. 1843. 1 item.

"Plano de Una Parte de la Costa O. de Masbate Levantado por ... la Comision Hidrografica en 1843." Manuscript map, copied by Agapito Asuncion, showing coastal features and soundings. 1 inch to 2 nautical miles. (Filed as Spanish chart #144)

1827. PORTS OF CATAINGAN AND PALANOG (MASBATE HARBOR), MASBATE ISLAND. 1864. 1 item.

Copy of a Spanish chart, a composite of two harbor plans, published in Madrid, 1864. Harbor soundings and towns are shown. Large scale. (Filed as Spanish chart #145)

1828. ISLANDS BETWEEN MASBATE AND TICAO ISLANDS. N.d. 1 item.

Manuscript chart (in Spanish), apparently a later copy of an original 1806 chart, showing place-names and soundings. Annotations refer to the Comandancia General de Marina. 2 inches to 1 nautical mile. (Filed as Spanish chart #143)

ROMBLON ISLAND

1829. PORT OF ROMBLON, ROMBLON ISLAND. Ca. 1849. 1 item.

"Plano del Puerto de Romblon en dicha Ysla." Manuscript chart—undated but annotation "12" on reverse side is similar to numerical annotations on other charts dated 1849—showing soundings, hills, and the village of Romblon. Annotations refer to the Comandancia General de Marina. Approx. 6 inches to 1 nautical mile. (Filed as Spanish chart #177)

1830. PORT OF ROMBLON, ROMBLON ISLAND. 1854-55. 2 items.

"Plano del Puerto de Romblon Levantado por la Comision Hidrografica ano de 1854." Two similar manuscript charts, one signed by Claudio Montero in 1855 and one copied by Agapito Asuncion. Both show a plan of the town, soundings, and adjacent islands. Annotations refer to the Comandancia General de Marina. Approx. 4 inches to 1 nautical mile. (Filed as Spanish charts #142-1 and #142-2)

SAMAR ISLAND

1831. SAMAR ISLAND. 1833. 2 items.

Two duplicate manuscript maps, both identified as "Isla de Samar en 1833," apparently copied by Agapito Asuncion for the Spanish Comandante General de Marina. The maps show topography, settlements, place-names, roads, notes about the local population, route distances, and other information. The part in yellow indicates coastal areas; the part in gray indicates the unexplored interior. 1 inch to approx. 8 miles. (Filed as Spanish charts #34 and #178)

1832. SAMAR ISLAND. N.d. 1 item.

Discolored, partly illegible, blueprint map—undated but probably prepared late in the 19th century—showing settlements, rivers, and place-names. It is similar to the blueprint maps of Panay (entry 1841) and Negros (entry 1851) Islands. (Filed as Spanish chart #175)

1833. PORT OF VIRI, SOUTHWEST COAST OF VIRI ISLAND, STRAIT OF SAN BERNARDINO. 1896. 1 item.

Blueprint copy of sketch chart, originally drawn by Capt. E. Garcia y Zabala and

copied from original at the Branch Hydrographic Office at Manila in 1900. A few soundings, the town of Viri, and shoreline features are shown. Approx. 2 1/2 inches to 1 nautical mile. (Filed as 2121.38, #3)

1834. PORT OF PALAPAG (PALAPA), NORTH COAST OF SAMAR ISLAND. 1849. 1 item.
"Plano del Puerto de Cajayagan y Calomotan que comunmente llaman Palapa cito en la Ysla de Leyte a la parte Oriental de Dan Bernardino. Ano de 1757. Copiado de las Ordras. de las Naos[?]." Manuscript chart copied from the original. Date of copy is not given, but annotation "33" on the reverse side is similar to numerical annotations on other charts dated 1849. The chart shows anchorages, a fort, and offshore islands. Large scale. (Filed as Spanish chart #174)

1835. PORT OF PALAPAG (PALAPA), NORTH COAST OF SAMAR ISLAND. 1810. 1 item.
"Plano del Puerto de Palapa . . . 1810." Chart, published in Madrid, showing soundings, coastal topography, settlements, forts, and place-names. Approx. 1 inch to 1 nautical mile. (Filed as Spanish chart #119)

1836. PORT OF BORONGON, EAST COAST OF SAMAR ISLAND. 1900. 1 item.
Blueprint copy of sketch map originally drawn by E. Garcia y Zabala and copied from the original in the Branch Hydrographic Office at Manila, 1900. Shoreline features, offshore islands, an anchorage location, and a few soundings are shown. Approx. 2 1/2 inches to 1 nautical mile. (Filed as 2121.38, #6)

1837. PARASAN HARBOR, PARASAN ISLAND, WEST COAST OF SAMAR ISLAND. 1900. 3 items.
Smooth sheet from survey, tracing, and blueprint copy, all showing harbor soundings and the location of the town of Parasan. 1:2,500. Source: U.S.S. *Isla de Cuba.* (Filed as 2122.34, #1-#3)

LEYTE ISLAND

1838. PALOMPON VICINITY, NORTHWEST COAST OF LEYTE ISLAND. 1904. 1 item.
Tracing of a sketch submitted by Capt. John Fogg, stationed at Palompon in 1901 with the 117th U.S. Infantry. It shows places for troop landings, trails, topography, hydrography, and notes on terrain. Other notes relate to place-names. Large scale. (Filed as 273.7)

1839. ORMOC ANCHORAGE, WEST COAST OF LEYTE ISLAND. 1900. 1 item.
Smooth hydrographic sheet from survey showing soundings and the shoreline. 1:7,200. Source: U.S.S. *Isla de Cuba.* (Filed as 3121.2)

1840. PORTO BELLO HARBOR, ORMOC BAY, SOUTHWEST COAST OF LEYTE. 1901. 1 item.
Blueprint copy of the original sketch chart of Porto Bello (located southwest of the city of Ormoc) showing harbor soundings, fishweirs, huts, trees, and other shoreline information. Approx. 5 inches to 1 nautical mile. Source: U.S.S. *Frolic.* (Filed as 263.34)

PANAY ISLAND

1841. PANAY ISLAND. N.d. 1 item (2 sections).
Badly discolored, partly illegible blueprint map of Panay and the adjacent island of Guimara—undated but probably drawn late in the 19th century. It shows towns and villages, place-names, rivers, roads, and district boundaries in the interior of the island. 1:200,000. (Filed as Spanish charts #123-1 and #123-2)

1842. PORT OF CAPIZ, NORTH COAST OF PANAY ISLAND. 18—. 1 item.
"Croquis de Puerto de Capiz." Manuscript chart covering the Capiz river entrance and the anchorage at Colasi. Inset: enlarged plan of buildings at Capiz. Annotations refer to the Comandancia General de Marina. Approx. 3 1/2 inches to 1 nautical mile. (Filed as Spanish chart #121)

1843. NORTHEAST COAST OF PANAY AND ADJACENT ISLANDS. 1869. 1 item.
Manuscript chart showing hydrography, coastal topography, and settlements. Marginal notes are in Spanish. Approx. 1 inch to 1 nautical mile. (Filed as Spanish chart #38)

1844. ISLANDS OFF THE NORTHEAST COAST OF PANAY ISLAND, PHILIPPINES. 1845. 1 item.

Small manuscript chart by Don Juan Lopes of the Spanish ship *Carmen.* Annotations refer to the Comandancia General de Marina. 1 inch to approx. 5 nautical miles. (Filed as Spanish chart #122)

1845. ANCHORAGE SOUTH OF CALAGUAN ISLAND, NORTHEAST COAST OF PANAY ISLAND. 1901. 1 item.

Blueprint chart showing soundings and part of "Kalagnan" Island. Approx. 5 inches to 1 nautical mile. Source: U.S.S. *Castine.* (Filed as 4122.24)

1846. ILO ILO TOWN AND RIVER, PANAY ISLAND. 1901. 1 item.

Large-scale smooth survey sheet showing roads, buildings, a swamp, Ilo Ilo Fort, a customhouse wharf, and river soundings. 1 inch to 300 feet. Sources: U.S. ships *Castine* and *Leyte.* (Filed as 3122.16, #3)

1847. ILO ILO AND GUIMARAS STRAITS (BETWEEN PANAY AND NEGROS ISLANDS). 1854-55. 1 item.

"Carta Esferica del Estrecho de Yloilo . . ." Manuscript chart by D. Claudio Montero showing hydrography, coastal topography, and settlements. 1 inch to approx. 4 nautical miles. (Filed as Spanish chart #120)

1848. ILO ILO STRAIT, BETWEEN PANAY AND NEGROS ISLANDS. 1899-1900. 2 items.

Smooth sheet and rough plotting sheet showing soundings in the southern part of the strait. Approx. 2 inches to 1 nautical mile. Source: U.S.S. *Oregon.* (Filed as 3121.33, #1 and #2)

1849. ILO ILO STRAIT, BETWEEN PANAY AND NEGROS ISLANDS. 1900-1901. 5 items.

Preliminary sounding and triangulation sheets from survey. Sources: U.S. ships *Castine* and *Leyte.* (Filed as 3122.16, #4-#8)

1850. ILO ILO STRAIT, BETWEEN PANAY AND NEGROS ISLANDS. 1900-1901. 1 item (2 sections).

Large-scale smooth sheet showing hydrography, the town of Ilo Ilo, coastal roads, vegetation, topography, houses, and churches. Sources: U.S. ships *Castine* and *Leyte.* (Filed as 3122.16, #1 and #2)

NEGROS ISLAND

1851. NEGROS ISLAND. N.d. 1 item.

Badly discolored, partly illegible, blueprint map, in Spanish, with a list of English translations to symbols used on map. The map is undated but probably was prepared late in the 19th century. It shows towns and villages, place-names, rivers, roads, and district boundaries in the interior of the island. 1:400,000. (Filed as Spanish chart #130)

1852. ILAMPULUGAN ISLAND AND ADJACENT SHOAL PIEDRA ROSARIO IN GUIMARAS STRAIT. 1900. 1 item.

Blueprint chart of small island, "Isla Ynampulugan" (or Ilampulugan) and adjacent shoal, with lines of soundings. The original source is not shown; blueprint was made in the office of the chief engineer, Division of the Philippines, from an original in possession of the Branch Hydrographic Office at Manila. 3 inches to 1 nautical mile. (Filed as 2121.24, #4)

1853. PORT BOMBONON (SI-IT), SOUTH COAST OF NEGROS ISLAND. 1833. 1 item.

"Plano Geometrico del Puerto de Si-it, en la Costa Sur de Ysla de Negros y al N.E. de Punta Bombonon. Levantado por el Capitan de Marina Sutil D. J. Camps En 12 de Enero del ano de 1833." Manuscript chart showing soundings and the coastline. Annotations refer to the Comandancia General de Marina. Large scale. (Filed as Spanish chart #150)

1854. PORT BOMBONON, SOUTH COAST OF NEGROS ISLAND. 1850. 1 item.

"Plano del Puerto Y Rio de Bombonon . . . Por el Alferez de Navio D. Calixto de las Heras . . . ." Manuscript chart showing shoreline features, soundings, and a building labeled "Tribunal." Annotations refer to the Comandancia General de Marina. Approx. 18 inches to 1 nautical mile. (Filed as Spanish chart #40)

1855. PORT BOMBONON, SOUTH COAST OF NEGROS ISLAND. N.d. 1 item.

Rough tracing showing soundings and the coastline. Large scale. (Filed as Spanish chart #131)

CEBU ISLAND

1856. PORT OF BOGO, NORTHEAST COAST OF CEBU ISLAND. 1895. 1 item.

"Croquis del Puerto de Bogo . . . Tomado a Ojo a Bordo del Vapor *Castellano* . . . 1895." Blueprint made by the Branch Hydrographic Office at Manila, 1900, apparently from an original chart drawn by Capt. Garcia y Zabala. A few soundings, the town of Bogo, and shoreline features are shown. Approx. 6 inches to 1 nautical mile. (Filed as 2121.38, #2)

1857. PORT OF BALAMBAN, NORTHEAST COAST OF CEBU ISLAND. 1900. 1 item.

"Isla de Cebu. Ensenada de Balamban . . . Vapor American 'Union.' Capn. Gerardo Roses . . . Octubre 1900." Small blueprint chart made in 1900 in the office of the chief engineer, Division of the Philippines, from an original chart in the Branch Hydrographic Office at Manila. It shows harbor soundings, the town of Balamban, and the anchorage of the American steamship *Union.* Approx. 3 1/2 inches to 1 nautical mile. (Filed as 2122.10, #1)

1858. CEBU HARBOR, CEBU ISLAND. 1844. 2 items.

"Plano del Puerto de Zebu Levantado por el Capitan de Navio Don Guillermo de Aubarede . . . Es copia de un ejemplar estampado que proporciono el Alferez de Navio Don Calixto las Heras." Manuscript chart and tracing showing soundings, a drawing of a church at San Nicolas, and part of the adjacent island of Magtan. Annotations refer to the Comandancia General de Marina. Approx. 2 1/2 inches to 1 nautical mile. (Filed as Spanish charts #33 and #149)

1859. CEBU HARBOR, CEBU ISLAND. 1870. 1 item.

"Plano del Puerto de Zebu . . . ." Published chart, annotated in Spanish, showing harbor soundings and a simplified plan of the town of Zebu. Approx. 2 1/4 inches to 1 nautical mile. (Filed as Spanish chart #147)

1860. CEBU HARBOR, CEBU ISLAND, FROM ST. NICHOLAS CHURCH TO THE NORTHERN ENTRANCE. 1899-1900. 6 items.

Rough sounding sheets, Nos. I and II; part of published Hydrographic Office chart No. 1723 of Cebu (Sebu) Harbor; and three tracings showing corrections. Scales vary. Source: U.S.S. *Bennington.* (Filed as 1121.34)

1861. SOUTH ENTRANCE TO TANON STRAITS AND ADJACENT COASTS OF CEBU AND NEGROS ISLANDS. 18–. 1 item.

"Plano de la entrada del Tanon . . . ." Manuscript chart, copied from an earlier version by Vicente Asuncion for the Comandante General de Marina, showing coastal settlements. 1 inch to approx. 6 nautical miles. (Filed as Spanish chart #148)

1862. PORT OF DUMANJUG (DUMANJOC), WEST COAST OF CEBU ISLAND. 1900. 1 item.

"Ysla de Cebu. Ensenada de Dumanjoc . . . Vapor Americano 'Union.' Captn. Gerardo Roses . . . 1900." Small blueprint chart (forwarded in 1900 by the Branch Hydrographic Office at Manila) from a survey by the American steamship *Union.* It shows a town, harbor soundings, roads, and cultivated fields. Approx. 3 inches to 1 nautical mile. (Filed as 2122.10, #2)

BOHOL ISLAND

1863. BOHOL ISLAND. 18–. 1 item.

"Plano de la Isla de Bohol . . . ." Manuscript map showing rivers, mountain peaks in the interior of the island, old and new settlements, rancherias, roads, and other features. Annotations refer to the Comandancia General de Marina. 1 inch to approx. 3 nautical miles. (Filed as Spanish chart #126)

MINDANAO

1864. SOUTHERN PART OF MINDANAO ISLAND. Ca. 1838. 2 items.

"Carta de la parte S. de la Ysla de Mindanao desde Zamboanga al Cabo

Sn. Augustin . . . ." Two duplicate tracings, one signed by Claudio Montero, showing coastal place-names, soundings, and anchorages. 1 inch to approx. 11 nautical miles. (Filed as Spanish charts #61-1 and #61-2)

1865. SOUTHERN PART OF MINDANAO ISLAND. 1839. 1 item.
"Carta Esferica de la Parte Meridional de la Isla de Mindanao desde Zamboanga al Cavo de S. Agustin . . . ." Manuscript chart showing coastal settlements, soundings, and the track of the "*Goleta Mosca* Ano de 1839." Rough annotations in pencil show topography and trails in the southern interior of the island. Insets: plan of the port of Banga and 14 profile views of topography. 1 inch to approx. 10 nautical miles. (Filed as Spanish chart #50)

1866. CENTRAL MINDANAO. 1851. 1 item.
"Plano del terreno recorrido por la Columna espedicionaria en Mindanao mandada por el Teniente Corl. Comte. de Ynfantera Don Manuel Coballes . . . ." Manuscript map showing topography along the route from Illana Bay (south coast) to Misamis (north coast). Annotations refer to the Comandancia General de Marina. 1:20,000. (Filed as Spanish chart #184)

1867. MINDANAO ISLAND. 18–. 1 item.
"Carta esferica de Ysla Mindanao." Manuscript map showing place-names, topography, roads, and other features. Annotations refer to the Comandancia General de Marina. 1 inch to approx. 12 nautical miles. (Filed as Spanish chart #5)

1868. PORT OF DAPITAN, NORTHWEST COAST OF MINDANAO. 18–. 1 item.
Untitled manuscript chart showing the harbor of "Puerto de Dapitan," including anchorages and shoreline topography. Annotations refer to the Comandancia General de Marina. 1 inch to approx. 3 nautical miles. (Filed as Spanish chart #56)

1869. ILIGAN AND MACAJALAR BAYS. 18–. 1 item.
Costa N. de Mindanao Desde Punta Layaban a Sipaca . . . ." Manuscript chart showing soundings, coastal settlements, and forts. Annotations refer to the Comandancia General de Marina. 1 inch to approx. 5 nautical miles. (Filed as Spanish chart #47)

1870. ILIGAN BAY AND VICINITY. Ca. 1845. 1 item.
Untitled manuscript chart of the north coast of Mindanao copied from the original by Agapito Asuncion. It covers Murcielago Bay, Yligan (Iligan) Bay, and the port of Cagayan and shows coastal settlements. Annotations refer to the Comandancia General de Marina. 1 inch to approx. 7 nautical miles. (Filed as Spanish chart #151)

1871. LANGARAN (LINGARAN) ANCHORAGE, NORTHWEST COAST OF ILIGAN BAY. 1901. 1 item.
Manuscript chart, based on a reconnaissance survey, showing hydrography, coastal topography, and a road. 1 inch to 200 yards. Source: U.S.S. *Leyte.* (Filed as 4123.1 #1)

1872. PORT OF PALILAN OR JIMENEZ, ILIGAN BAY. 1894. 1 item.
"Port of Palilan or Jimenez, near Misamis, Mindanao. Sketch map made by Captain E. Garcia y Zabala . . . 1894." Copied from the original by the Branch Hydrographic Office at Manila, 1900, the map shows anchorages, the entrance to Palilan River, and shoreline features. Sailing directions are repeated on the reverse side. Approx. 9 inches to 1 nautical mile. (Filed as 2121.38, #5)

1873. PLAN OF FORT SANTA ANA. 1848. 1 item.
"Plano topografico del Fuerte denominado Sta. Ana, levantado en . . . 1848 por el Vapor de S. M. Sebastian Elcano." Location of the fort is not given; it may possibly be Santa Ana, inland from Tagoloan, on Macajalar Bay, north coast of Mindanao. Large scale. (Filed as Spanish chart #46)

1874. NASIPIT ANCHORAGE, BUTUAN BAY. 1901. 1 item.
Manuscript chart, based on a reconnaissance survey, showing hydrography, coastal topography, and dwellings. 1 inch to

approx. 450 yards. Source: U.S.S. *Leyte.* (Filed as 4123.1, #2)

1875. MOUTH OF AGUSAN RIVER, BUTUAN BAY. 1901. 1 item.

Manuscript chart from a reconnaissance survey showing hydrography, coastal topography, and dwellings, 1 inch to approx. 350 yards. Source: U.S.S. *Leyte.* (Filed as 4123.1, #3)

1876. PORT OF CARMEN, DINAGAT ISLAND, AND STRAITS BETWEEN SURIGAO AND DINAGAT ISLAND. 1845. 1 item.

Two charts on one sheet, based on surveys by the captain of the Spanish ship *Carmen.* Annotations refer to the Comandancia General de Marina. Large scale. (Filed as Spanish chart #44)

1877. LAPINIG ISLAND ANCHORAGE (NORTH COAST OF MINDANAO). 1901. 1 item.

"Y. Mindanao. Costa N. Fondeadero de Lapinig o Balinguan." Blueprint of sketch chart by E. Garcia y Zabala showing dwellings, a road, and a church on the coast. Exact location of anchorage is not shown. Large scale. (Filed as Spanish chart #190)

1878. EAST COAST OF MINDANAO FROM TANDAG TO THE DAVAO GULF. 1849. 1 item.

"Plano de la Costa Oriental de Mindanao desde el Cabo de S. Agustin a Canay . . . ." Manuscript chart showing coastal settlements. Annotations refer to the Comandancia General de Marina. 1 inch to approx. 6 nautical miles. (Filed as Spanish chart #3)

1879. ANCHORAGES ON THE SOUTHEAST COAST OF MINDANAO. 1901. 3 items.

Blueprint copies of three small charts that together cover the coast of southeast Mindanao between latitudes 7°03′ and 7°33′ N., including the anchorages of Baganga, Caraga, Manay, and Zaragosa Bays, and show tracks of ships and coastal settlements. 1 inch to approx. 1 nautical mile. (Filed as Spanish charts #191-1–#191-3)

1880. PUJADA (PUJAGA) BAY, SOUTHEAST COAST OF MINDANAO. 1890. 1 item.

"Croquis de la Bahia Pujaga Levantado por la dotacion del Cananero *Gral Lezo* en 1890. Manila 28 de Abril 1890." Apparently a manuscript copy of a published chart showing soundings, coastal topography, a plan of the town of Matti, other settlements, and cultivated fields. Approx. 2 inches to 1 nautical mile. (Filed as Spanish chart #59)

1881. MALIPANO ANCHORAGE, WEST COAST OF SAMAL ISLAND, DAVAO GULF. 18–. 1 item.

Part of a published Spanish chart, with minor corrections in pencil, showing soundings and islands. 1 inch to 300 meters. (Filed as Spanish chart #80)

1882. PORT DAVAO, DAVAO GULF. 1877. 1 item.

"Plano del Puerto Davao Por el Teniente de Navio Dn. Federico Reboul Comandante de la Estacion Naval en 1877." Manuscript chart, copied from the original by Agapito Asuncion, showing hydrography, streets, and buildings. 1 inch to approx. 120 meters. (Filed as Spanish chart #45)

1883. TAGABULY HARBOR, DAVAO GULF. 18–. 2 items.

"Croquis del Puerto del Tagabuly." Rough and finished manuscript versions showing hydrography and "Camarin de Comercio." Large scale. (Filed as Spanish charts #1 and #66)

1884. PORT OF TUMANAO, SARANGANI ISLAND, SOUTH OF THE MINDANAO COAST. 1888. 2 items.

"Croquis Del Puerto de Tumanao . . . ." Two tracings by Agapito Asuncion showing soundings, coastal topography, and a few dwellings. 1 inch to approx. 270 meters. (Filed as Spanish charts #57-1 and #57-2)

1885. RIO GRANDE DE MINDANAO AND ADJACENT PART OF ILLANA BAY. 1855. 2 items.

"Esploracion del Rio Grande de Mindanao Verificado en Marzo de 1855. . . ." Two similar tracings covering the Rio Grande and the adjacent Polloc Bay and Bongo (Bungod) Island and showing settlements, place-names, and some topography. 1 inch

to approx. 1 1/2 nautical miles. (Filed as Spanish charts #60-1 and #60-2)

1886. RIO GRANDE DE MINDANAO. 1887. 12 items.

Rough chart (on 12 sheets) of the Rio Grande de Mindanao from an 1887 survey by the Spanish canonero (gunboat) *Gardoqui.* Copied on tracing cloth in 1891, the chart shows detailed features along the river, including houses, woods, forts, soundings, and anchorages. Large scale. (Filed as Spanish charts #8, #10-#17, and #19-#21)

1887. DELTA OF THE RIO GRANDE DE MINDANAO BETWEEN COTABATO AND TUMBAO. 18–. 1 item.

"Croquis De una parte de Rio que conduce a la Laguna de la Magren." Manuscript chart showing both branches of the Rio Grande and adjacent settlements and vegetation. Annotations refer to the Comandancia General de Marina. Large scale. (Filed as Spanish chart #51)

1888. DELTA OF RIO GRANDE DE MINDANAO: NORTH BRANCH TO COTABATO. 1846. 1 item.

"Plano del Rio de Mindanao en la Bahia de Illana Ano de 1846. . . ." Manuscript copy (n.d.) of original chart showing coastal and river settlements and soundings on the lower part of the north branch. Annotations refer to the Comandancia General de Marina. Approx. 1 1/2 inches to 1 mile. (Filed as Spanish chart #49)

1889. MOUTH OF NORTH BRANCH OF RIO GRANDE DE MINDANAO AND ADJACENT COAST. 1855. 1 item.

Small manuscript chart covering the coast southward to Limapatay (south branch) and showing hydrography, coastal topography, and settlements. Approx. 2 inches to 1 nautical mile. (Filed as Spanish chart #70)

1890. MOUTH OF NORTH BRANCH OF RIO GRANDE DE MINDANAO. 1855. 2 items.

Two similar tracings, one signed by Claudio Montero, showing soundings, buildings in the town of Painuan, and several triangulation points identified by letters. Large scale. (Filed as Spanish charts #54-1 and #54-2)

1891. MOUTH OF NORTH BRANCH OF RIO GRANDE DE MINDANAO. Ca. 1855. 1 item.

"Plan de la entrada del rio de Mindanao." Apparently a duplicate of the Claudio Montero charts described in entry 1890. Large scale. (Filed as Spanish chart #25)

1892. DELTA OF RIO GRANDE DE MINDANAO FROM COTABATO TO TUMBAO, AND SURROUNDING VICINITY. 1893. 1 item.

"Plano del Rio Grande De Mindanao, Hoja 2-A . . . Deposit Hidrografico Madrid 1893." Published chart showing soundings, houses and settlements, and topography near the river. 1:30,000. (Filed as Spanish chart #2)

1893. DELTA OF RIO GRANDE DE MINDANAO: NORTH BRANCH BETWEEN COTABATO AND LIBUNGAN. 1886. 1 item.

"Croquis del Rio Grande . . . levantado sobre la marcha en el Canonero *Bulusan* en Setiembre de 1886 . . . Hoja 1-a Cottabato a Libungan." Manuscript chart showing soundings and remarks about crops grown along the river. Approx. 5 1/2 inches to 1 mile. (Filed as Spanish chart #65)

1894. DELTA OF THE RIO GRANDE DE MINDANAO: ESTERO MATAMPAY, SOUTHEAST OF COTABATO. 1886. 1 item.

"Croquis del Estero de Matampay. . . ." Manuscript chart containing notes on local topography. Approx. 6 inches to 1 nautical mile. (Filed as Spanish chart #68)

1895. DELTA OF RIO GRANDE DE MINDANAO. N.d. 1 item.

"Croquis formada para dar una ligera idea de los Esteros existentes en el Delta . . . resultado solo de una esploracion prelimar muy superficial . . . ." Manuscript map of the delta area as far as the junctions of the Libunga and Tauiran tributaries. Shown are settlements, missions, and topography. Annotations refer to the Comandancia General de Marina. Approx. 1 1/4 inches to 1 nautical mile. (Filed as Spanish chart #41)

1896. RIO GRANDE DE MINDANAO: PART OF RIO PULANGI TRIBUTARY. 1887. 1 item.
Chart of a small part of Pulangi River, Central Mindanao, in the vicinity of Masakit (Masaquit) and the town of Calipabuan. Shown are river soundings, houses, crops, and other features along the river. Large scale. (Filed as Spanish chart #55)

1897. RIO GRANDE DE MINDANAO: PART OF DANSALAN RIVER BETWEEN BAKAT AND TABUNGAO, CENTRAL MINDANAO. 1887. 2 items.
"Croquis del Estero de Bacat o Tabungao . . . ." Manuscript charts, sheets 1 and 2, showing local place-names and notes on the terrain. Approx. 11 inches to 1 nautical mile. (Filed as Spanish charts #64 and #69)

1898. RIO GRANDE DE MINDANAO: CANAL BETWEEN LIGUASAN LAKE AND RIO GRANDE AT KABAKSALAN ISLAND, CENTRAL MINDANAO. 1887. 1 item.
"Croquis del Canal de la Laguna de Liguasan . . . ." Manuscript chart showing notes on local terrain. Approx. 6 inches to 1 nautical mile. (Filed as Spanish chart #63)

1899. POLLOC BAY, BONGO ISLAND, AND MOUTH OF RIO GRANDE DE MINDANAO. 18–. 1 item.
"Plano de la Ysla de Bunwood Y Parte de la costa de la Ysla de Mindanao Por el Capitan Tomas Forret." Early manuscript chart, possibly a copy made in the 1800's from an original of the 1700's, showing "Bunvodi" (Bongo) Island and the place where "los de Toloo en 1740 mataron al Sultan de Kuddi." 1 inch to approx. 3 1/2 nautical miles. (Filed as Spanish chart #53)

1900. POLLOC BAY, IN ILLANA BAY. 18–. 1 item.
Manuscript chart copied from the original by Agapito Asuncion by order of the Comandante General. Approx. 1 1/2 to 1 nautical mile. (Filed as Spanish chart #24)

1901. POLLOC HARBOR, ILLANA BAY. 1851. 1 item.
Manuscript chart showing hydrography, shoreline features, and a few dwellings. Approx. 4 1/2 inches to 1 nautical mile. (Filed as Spanish chart #22)

1902. POLLOC BAY. 1851. 1 item.
Manuscript chart showing military establishments near the mouth of Polloc Bay. 1:5,000. (Filed as Spanish chart #23)

1903. POLLOC BAY. 1852. 2 items.
"Plano del Puerto Polloc . . . ." Manuscript chart and tracing showing hydrography, topography of the coast, settlements, and forts. Approx. 3 inches to 1 nautical mile. (Filed as Spanish charts #35-1 and #35-2)

1904. POLLOC BAY, IN ILLANA BAY. 1902. 1 item.
Rough chart (without title) showing extensive soundings, coastal topography, Moro villages, and the location of the Paranparan military post. 1 inch to approx. 1,200 feet. Source: U.S.S. *Annapolis.* (Filed as 5123.22)

1905. POLLOC BAY, BONGO ISLAND, AND THE MOUTH OF THE RIO GRANDE DE MINDANAO. 1903. 7 items.
Five boat sheets and two general sounding sheets from a hydrographic survey. Large scale. Source: U.S.S. *Samar.* (Filed as 562.71)

1906. ILLANA BAY FROM THE MOUTH OF THE RIO GRANDE DE MINDANAO TO POINT FLECHAS. Ca. 1849. 2 items.
"Croquis de la costa de la Bahia Yllana . . . ." Two duplicate manuscript charts showing the shoreline, place-names, and the ship's track. 1 inch to approx. 3 nautical miles. (Filed as Spanish charts #48 and #62)

1907. PORT OF BARAS AND IBUS ISLAND, ILLANA BAY. 1849 and 1851. 2 items.
"Plano del Puerto de Baras . . . ." Two similar manuscript charts, a smooth version dated 1849 and a rough version dated 1851, showing hydrography, an anchorage, shoreline features, and dwellings. Approx. 12 inches to 1 nautical mile. (Filed as Spanish charts #9 and #43)

1908. NORTH SHORE OF ILLANA BAY FROM THE PORT OF BARAS TO POINT FLECHAS. 1849. 2 items.

"Croquis de una parte de la costa de la Bahia . . . ." Two duplicate manuscript versions showing the shoreline and the surveying ship's track. 1 inch to approx. 2 nautical miles. (Filed as Spanish charts #29 and #67)

1909. CAROMATA ROADSTEAD, NORTH SHORE OF ILLANA BAY. 1851. 2 items.

"Plano de la Rada de Curumatan en la Bahia Ilana . . . ." Manuscript and published versions of chart showing hydrography, anchorages, and shoreline features. Approx. 5 inches to 1 nautical mile. (Filed as Spanish charts #6 and #7)

1910. ILLANA BAY IN THE VICINITY OF SAGAYARAN ISLAND. 1903. 8 items.

Preliminary worksheets from a survey—triangulation sheet, boat sheets, and rough plotting sheets. Large scale. Source: U.S.S. *Princeton.* (Filed as 171.41, #1-#8)

1911. ILLANA BAY IN THE VICINITY OF SAGAYARAN ISLAND. 1903. 1 item.

Smooth sounding sheet, plotted by the Division of Chart Construction, Hydrographic Office, and received in the archives of the Hydrographic Office in 1913, showing the results of the 1903 survey. Large scale. Source: U.S.S. *Princeton.* (Filed as 171.41, #9)

1912. SOUTHWEST COAST OF MINDANAO FROM ILLANA BAY TO ZAMBOANGA AND BASILAN ISLAND. 1885. 1 item.

"Hoja XVI de la Parte Sudoeste de la Isla de Mindanao . . . ." Published Spanish chart showing hydrography, the ship's tracks, coastal topography, and place-names. 1 inch to approx. 4 1/2 nautical miles. (Filed as Spanish chart #42)

1913. SOUTHWEST COAST OF MINDANAO FROM ILLANA BAY TO ZAMBOANGA. 1900. 1 item.

Tracing of an unidentified Spanish chart, corrected in red ink and forwarded to the Hydrographic Office with a letter describing the dangers along the coast. Soundings, navigation dangers, and other features are shown. Approx. 1:333,000. Source: U.S.S. *Callao.* (Filed as 5113.32)

1914. DUMANQUILAS BAY, SOUTHWEST COAST OF MINDANAO. 1903. 17 items.

Preliminary worksheets from survey—boat sheets, tidal record, rough topographic sheet, and duplicate blueprint. Scales vary. Source: U.S.S. *Yorktown.* (Filed as 472.22, #2-#18)

1915. DUMANQUILAS BAY, SOUTHWEST COAST OF MINDANAO. 1903. 1 item.

Smooth survey sheet of "Dumankilas Bay" showing extensive soundings, topography, place-names, and the village of Kumalarang at the head of the bay, with "house of Dato Dacula on hill surrounded by stockade." Approx. 2 inches to 1 nautical mile. Source: U.S.S. *Yorktown.* (Filed as 472.22, #3a)

1916. BULUAN ANCHORAGE, NORTHWEST SHORE OF SIBUGUEY BAY, SOUTHWEST COAST OF MINDANAO. 1887. 1 item.

"Croquis del fondeadero de Buluan . . . ." Manuscript chart showing soundings and buildings. Approx. 10 inches to 1 nautical mile. (Filed as Spanish chart #52)

1917. SANTA MARIA HARBOR, WEST COAST OF ZAMBOANGA PENINSULA. 1857. 1 item.

"Plano del Pto. de Sta. Maria . . . ." Manuscript chart showing soundings, coastal topography, and place-names. 1:10,000. (Filed as Spanish chart #58)

SULU ARCHIPELAGO

1918. ZAMBOANGA (SOUTHWEST MINDANAO), BASILAN ISLAND, AND JOLO ISLAND. 1850. 1 item.

"Carta de las islas Samales o de Jolo con parte de las costas inmediatas a Zamboanga . . . ." Manuscript chart showing hydrography, topography, place-names, settlements, and forts. 1 inch to approx. 4 nautical miles. (Filed as Spanish chart #110)

1919. ZAMBOANGA (SOUTHWEST MINDANAO), BASILAN ISLAND, AND ADJACENT ISLANDS. 1845. 1 item.

"Carte de L Ile Bassilan et dependances." Manuscript copy of an original French chart, annotated with a Spanish translation of the title, showing hydrography, topography, and a fort. 1 inch to approx. 2 nautical miles. (Filed as Spanish chart #116)

1920. NORTHWEST COAST OF BASILAN ISLAND, INCLUDING PORT OF ISABELA (PASANJAN) AND ADJACENT ISLANDS. 1846. 2 items.

"Plano de las Silangas de Pasanjan . . . ." Two similar manuscript charts, both showing coastal soundings and place-names, including "Fuerte Pasanhan" (fort at port of Isabela). Approx. 1 1/2 inches to 1 nautical mile. (Filed as Spanish charts #108-1 and #108-2)

1921. PORT OF ISABELA (PASANJAN) AND MALAMAUI ISLAND, NORTHWEST COAST OF BASILAN ISLAND. 18–. 1 item.

"Plano del Puerto de Pasanjan o La Ysabela . . . ." Manuscript chart showing soundings, shoreline features, and a fort at Isabela. Approx. 4 inches to 1 nautical mile. (Filed as Spanish chart #107)

1922. MALAMAUI ROADS (VICINITY OF ISABELA), NORTHWEST COAST OF BASILAN ISLAND. 1903. 3 items.

Records of survey–boat sheet, tracing, and smooth sheet–showing hydrography, shoreline features, place-names, and triangulation stations. Scale of smooth sheet, approx. 5 inches to 1 nautical mile. Source: U.S.S. *Quiros.* (Filed as 452.42, #1, #1a, and #2)

1923. TEINGA AND SANGBOY (DOS OREJAS) ISLANDS, PILAS GROUP, NORTHWEST OF BASILAN ISLAND. 1879. 1 item.

Untitled manuscript chart showing hydrography and topography. Approx. 2 inches to 1 nautical mile. (Filed as Spanish chart #129)

1924. BALANGUINGUI ISLAND AND VICINITY, SAMALES GROUP. 1849. 2 items.

"Croquis de la Ysla de Balanguingui y Sus Adyacentes." Two duplicate manuscript charts showing locations of settlements and islands. Approx. 2 inches to 1 nautical mile. (Filed as Spanish charts #115 and #179)

1925. BALANGUINGUI ISLAND, SAMALES GROUP. Ca. 1849. 1 item.

"Plano de Ysla de Balanguingui." Manuscript chart showing locations of settlements and a few soundings. Approx. 3 inches to 1 nautical mile. (Filed as Spanish chart #114)

1926. PORT OF JOLO, JOLO ISLAND. 18–. 3 items.

"Plano de la rada y poblacion de Jolo." Three duplicate manuscript versions showing buildings, profiles of walls, and hydrography. Approx. 4 inches to 1 nautical mile. (Filed as Spanish charts #106, #111, and #180)

1927. PORT OF JOLO AND VICINITY, JOLO ISLAND. 1843. 1 item.

"Plano de la rada de Jolo e islas adjacentes . . . ." Tracing from a survey by the French vessel *Favorite* showing the town of Jolo, adjacent coastlines and mountain peaks, and offshore islands. Inset: profile sketch of Marongas Island. Approx. 1 1/2 inches to 1 nautical mile. (Filed as Spanish chart #109)

1928. PORT OF JOLO, JOLO ISLAND. 1845. 1 item.

"Plano de la Ensenada y Poblacion de Jolo Ano de 1845." Manuscript chart showing hydrography, coastal topography, and buildings. Approx. 2 1/2 inches to 1 nautical mile. (Filed as Spanish chart #113)

1929. TOWN OF JOLO, JOLO ISLAND. 1846. 1 item.

"Croquis de la Poblacion de Jolo. Ano 1846." Manuscript plan showing names of individual buildings. Large scale. (Filed as Spanish chart #183)

1930. PORT OF JOLO AND VICINITY, JOLO ISLAND. 1851. 1 item.

Manuscript copy of a French chart, annotated with a Spanish translation of the title, showing hydrography, the town of "Soulou" (Jolo), topography, cultivated fields, and offshore islands. 1:80,000. (Filed as Spanish chart #181)

1931. JOLO ISLAND AND VICINITY. 1874. 1 item.
"Carta Esferica de la Isla de Jolo E Islas Adyacentes . . . ." Manuscript chart covering islands and reefs to the northeast and southwest of Jolo and showing hydrography, topography, place-names, settlements, and forts. 1 inch to approx. 2 1/2 nautical miles. (Filed as Spanish chart #112)

1932. JOLO ISLAND AND VICINITY. N.d. 1 item.
Rough manuscript chart without title, possibly a preliminary version of the chart described in entry 1931 with slight variations and unfinished areas. 1 inch to approx. 2 1/2 nautical miles. (Filed as Spanish chart #118)

1933. ANCHORAGES ON THE NORTH COAST OF JOLO ISLAND. 1875. 1 item.
Manuscript composite of four charts. Large scale. (Filed as Spanish chart #117)

1934. TULUYAN ISLAND ANCHORAGE, NORTH COAST OF JOLO ISLAND. Ca. 1875. 1 item.
Manuscript chart showing hydrography and topography. Approx. 2 inches to 1 nautical mile. (Filed as Spanish chart #117-1)

1935. MAINBUN BAY, SOUTH COAST OF JOLO ISLAND. 1876. 1 item.
Published chart showing hydrography and coastal features. Inset: view of the bay. 1:10,000. (Filed as Spanish chart #186)

1936. MAINBUN BAY, SOUTH COAST OF JOLO ISLAND. 1903. 2 items.
Smooth sheet and rough plotting sheet from hydrographic survey. 1 inch to approx. 1,500 feet. Source: U.S.S. *Frolic.* (Filed as 172.16, #9 and #10)

1937. TAWITAWI ISLAND. 1874. 1 item.
"Carta del Archipielago de Taui-Taui Levantada por la comision hidrografica de Filipas. en 1874." Tracing showing hydrography, landmarks, place-names, and villages. Insets: two profile views of the island. 1 inch to approx. 1 nautical mile. (Filed as Spanish chart #86)

1938. PUERTO DOS AMIGOS, NORTH COAST OF TAWITAWI ISLAND. 1879. 1 item.
Published chart showing hydrography and coastal topography. Inset: profile view. Approx. 5 inches to 1 nautical mile. (Filed as Spanish chart #83)

1939. MANALIK CHANNEL (SIMANALE OR TUSANG-BONGAO CHANNEL) BETWEEN TAWITAWI ISLAND AND SANGA SANGA ISLAND. 1882. 1 item.
Tracing showing channel soundings in detail. 1:5,000. (Filed as Spanish chart #36)

1940. MANALIK CHANNEL (SIMANALE OR TUSANG-BONGAO CHANNEL) BETWEEN TAWITAWI ISLAND AND SANGA SANGA ISLAND. 1882. 1 item.
Manuscript chart showing soundings and sailing directions. Approx. 3 inches to 1 nautical mile. (Filed as Spanish chart #87)

1941. LAPUN LAPUN ANCHORAGE, CAGAYAN SULU (JOLO) ISLAND, SULU SEA. 1883. 1 item.
"Plano del Fondeadero de Lapun Lapun . . . ." Manuscript chart showing hydrography and coastal topography. Approx. 10 inches to 1 nautical mile. (Filed as Spanish chart #132)

PALAWAN AND ADJACENT ISLANDS

1942. CUYO ARCHIPELAGO. 1851-52. 2 items.
Two duplicate manuscript charts, one containing penciled plotting lines that show locations and names of islands and a few soundings. 1 inch to approx. 3 nautical miles. (Filed as Spanish charts #26 and #76)

1943. CALAMIANES ISLANDS. 1850. 1 item.
Chart of the islands showing route of the ship *Carmen* to Culion Harbor in preparation for charting the islands. Scale is not shown. (Filed as Spanish chart #75)

1944. CALAMIANES ISLANDS. 1851-52. 2 items.
Two similar manuscript charts showing hydrography, topography, and place-names. 1 inch to approx. 1 1/2 nautical miles. (Filed as Spanish charts #27 and #37)

1945. PALAWAN AND BALABAC ISLANDS. Ca. 1861. 2 items.

"Carta de las Yslas Paragua Y Balabac." Manuscript chart, and tracing with slightly different title. Coverage includes Banguey and Balambangan Islands, off the coast of Borneo, south of Balabac. The charts show soundings, coastal topography, and settlements. A few place-names are given in English, indicating that the source may have been an English chart. 1 inch to approx. 10 nautical miles. (Filed as Spanish charts #32 and #73)

1946. TAYTAY BAY VICINITY, NORTHEAST COAST OF PALAWAN ISLAND. 1850. 3 items.

Rough chart and two similar revised versions. 1 inch to approx. 1 1/2 nautical miles. (Filed as Spanish charts #4, #31, and #74)

1947. PUERTO PRINCESA (YUAHIT), EAST COAST OF PALAWAN ISLAND. 1850. 2 items.

"Plano del Puerto de Yuahit o del Principe de Asturias ...." Two duplicate manuscript charts showing shorelines and hydrography. One copy is annotated in pencil to show a rancheria and other features. Approx. 2 1/4 inches to 1 nautical mile. (Filed as Spanish charts #28 and #30)

1948. PUERTO PRINCESA, EAST COAST OF PALAWAN ISLAND. 1871. 1 item (2 sections).

"Plano del puerto Princesa de Asturias ...." Manuscript chart showing hydrography, anchorages, and place-names. Approx. 4 1/2 inches to 1 nautical mile. (Filed as Spanish charts #71-1 and #71-2)

1949. PUERTO PRINCESA (PORT ROYALIST). 1901. 1 item.

"Port Royalist. 1850. (Three Times Enlarged.) Chart No. 1734." Tracing of the inner part of Puerto Princesa showing soundings at a previously uncharted shoal on which the U.S.S. *Vicksburg* grounded. 1 inch to approx. 350 yards. (Filed as 4121.25)

1950. SOUTHEAST COAST OF PALAWAN ISLAND IN THE VICINITY OF RAZA (MANTAQUIN) ISLAND. 1889. 1 item.

"Croquis del bajo en que se perdio el vapor mercante ingles *Altnacraig* levantado por el Teniente de Navio D. Leandro Viniegra. Julio de 1889." Manuscript chart showing the wreck of the British ship *Altnacraig*. 1 inch to 2 nautical miles. (Filed as Spanish chart #128)

1951. SAN ANTONIO (PIEDRAS) BAY ANCHORAGE, SOUTHEAST COAST OF PALAWAN ISLAND. 1888. 2 items.

Manuscript charts of the "Bahia de Piedras" and "Fondeadero de Marangas" (located within Bahia de Piedras). Both charts, annotated "Plano 4" and "Plano 5," contain the stamp of the Spanish canonero (gunboat) *Leyte* and show soundings and coastal features. Large scale. (Filed as Spanish charts #78 and #79)

1952. CULASIAN ROADSTEAD, SOUTHWEST COAST OF PALAWAN ISLAND. 1889. 2 items.

"Costa occidental de la Paragua—Plano de la Rada de Culasian. Levantado en 1889 Por el Teniente de Navio D. M. Anton." Rough and revised manuscript versions showing hydrography, coastal features, and buildings. Approx. 7 inches to 1 nautical mile. (Filed as Spanish charts #77 and #127)

1953. PORT OF BALABAC, BALABAC ISLAND. 1888. 1 item.

"Plano del Puerto de Balabac Levantado en 1888 por el T. de N. D. Manuel Anton." Manuscript chart showing hydrography, coastal topography, streets, and buildings. 1 inch to approx. 120 meters. (Filed as Spanish chart #124)

1954. PORT OF CIEGO, BALABAC ISLAND. 1877. 1 item.

"Croquis del Puerto Ciego al Norte de la Ysla de Balabac. Por el Comandante del Canonero *Albay* en 1877." Manuscript chart showing hydrography and shoreline features. 1:17,500. (Filed as Spanish chart #125)

Southeast Asia and East Indies

1955. GULF OF SIAM. 1893. 1 item.
Track chart showing soundings made during search for shoal reported in 1868 by H.M.S. *Weazel,* located at latitude 11°40′ N., longitude 102°50′ E. Approx. 1 inch to 1 nautical mile. Source: U.S.S. *Concord.* (Filed as 542.30)

1956. SARACEN BAY, RONG SAM LEM ISLAND, ENTRANCE TO BAY OF KOMPONG SOM, CAMBODIA. 1894. 1 item.
Manuscript survey chart showing soundings and shoreline features at Saracen Bay. Approx. 1:12,000. Source: U.S.S. *Concord.* (Filed as 542.55)

1957. KOH KRAM BAY, KOH KRAM ISLAND, THAILAND. 1893. 1 item.
Manuscript chart from a preliminary survey showing hydrography, the shoreline, observation points, notes on island vegetation, and "This is a good place for target practice." 1:4,800. Source: U.S.S. *Marion.* (Filed as 542.27)

1958. SINGAPORE HARBOR. 1885. 1 item.
Published chart of the "New Harbor of Singapore" (H.O. chart No. 546, a reproduction of British Admiralty chart No. 2023, dated 1879), annotated in 1885 to show changes in beacons, buoys, and docks. The base chart shows topography, roads, and buildings. 1 inch to approx. 160 yards. Source: U.S.S. *Juniata.* (Filed as 443.30)

1959. DUTCH COALING STATION AT SABANG BAY, WEH ISLAND, NORTH COAST OF SUMATRA, INDONESIA. 1900. 3 items.
Printed charts received from the U.S. consulate at Batavia as part of a report on a new coaling establishment located at the northern entrance of the Straits of Malacca. The charts, two in Dutch and one in English, show Weh Island, Sabang Bay, and a plan of the coaling station. Scales vary. (Filed as 5111.16)

1960. GASPAR STRAITS (BETWEEN BANGKA AND BILLITON ISLANDS), EAST OF SUMATRA, INDONESIA. 1857. 2 items (each in 4 sections).
"U.S. North Pacific Surveying Expedition, Commander Cadwalader Ringgold, U.S.N. Comdg. Gaspar Straits Surveyed under the command of Lieutenant John Rodgers, U.S.N. by the U.S. Steamer *John Hancock.* U.S. Storeship *John P. Kennedy,* U.S. Schooner *Fenimore Cooper* . . . January to April 1854. Projected and plotted 1857 by E. R. Knorr." Large manuscript chart and penciled rough workchart showing extensive soundings, shoals, observational bearings, coastal features, and place-names. Insets: three profile sketches of distant islands by artist Edward M. Kern. 1 inch to approx. 1 1/2 nautical miles. (Filed as 451.36, #21 and #22)

1961. GASPAR STRAITS (BETWEEN BANGKA AND BILLITON ISLANDS), EAST OF SUMATRA, INDONESIA. Ca. 1857. 1 item.
Engraved version, at reduced scale, of the chart described in entry 1960. The chart is based on an 1854 survey. 1 inch to approx. 3 nautical miles. (Filed as 451.36, #21a)

1962. KARIMATA STRAIT (BETWEEN BILLITON ISLAND AND BORNEO), INDONESIA. 1865. 1 item.
Manuscript chart submitted by Capt. N. W. Beckwith of the steamship *Virginia.* Annotations in red ink describe sightings, mountain peaks, islands on which to obtain freshwater, unusual tidal currents, the change in the color of the water between the Borneo coast and the "Carimata Archipelago," types of bottom sediment, shipwrecks, winds, a possible river on Billiton Island, and a place marked "held in chase by two proas." 1 inch to approx. 8 nautical miles. (Filed as 443.31)

1963. KRAKATOA VOLCANIC ERUPTION, SUNDA STRAIT, INDONESIA. 1883. 1 item.
Photocopy of a chart of the Sunda Strait showing the track of the British ship *Charles Bal* during the eruptions of August 26 and 27, 1883. Insets: plans of Krakatoa and Bezee Channels before and after earthquake. 1:400,000. Source: U.S.S. *Juniata.* (Filed as 541.33)

1964. BATAVIA ROADS (DJAKARTA) AND APPROACHES, ISLAND OF JAVA, INDONESIA. 1866. 1 item.
Tracing of a Dutch chart showing hydrography and shoreline features. 1 inch to

approx. 1 nautical mile. U.S.S. *Wyoming.* (Filed as 443.14)

1965. MAKASSAR AND LOMBOK STRAITS (EAST OF BORNEO AND BALI), INDONESIA. 1908. 1 item.
Published chart of part of the East Indies (British Admiralty chart No. 941-B), annotated to show soundings, according to accompanying letter, "where lines of soundings have not hitherto been taken." Approx. 1:550,000. Source: U.S.S. *Wisconsin.* (Filed as 531.18)

1966. VICTORIA HARBOR, LABUAN ISLAND, SABAH (NORTH BORNEO). 1900. 1 item.
Published chart of Victoria Harbor (British Admiralty chart No. 947), submitted to the Hydrographic Office by C. J. Wittenberg of New York, showing hydrography, topography, government and military buildings, railroads, and roads. Approx. 6 inches to 1 nautical mile. (Filed as 1121.24)

1967. NORTH AND SOUTH HARBORS, BALAMBANGAN ISLAND, SABAH (NORTH BORNEO). 1905. 2 items.
Tracings of unidentified U.S. Coast and Geodetic Survey charts, based on a British survey of 1844 and forwarded by the Director of Coast Surveys, Philippines, showing hydrography and coastal topography. 1:25,000. (Filed as 2113.25, #3 and #4)

1968. SANDAKAN HARBOR AND ANCHORAGE, SABAH (NORTH BORNEO). 1905. 2 items.
Tracings of unidentified U.S. Coast and Geodetic Survey charts based on British surveys of 1881-89 and forwarded by the Director of Coast Surveys, Philippines, showing hydrography, coastal topography, and settlements. 1:40,000 and 1:80,000. (Filed as 2113.25, #1 and #2)

1969. LOWER QUINABATANGAN (KINABATANGAN) RIVER, SABAH (NORTH BORNEO). 1881. 1 item.
"Croquis del Rio Quinabatangan en la parte NE. de Borneo y E. de Sandakan, Levantado por Dn. Jacinto Gil, en Abril de 1881." Tracing of original chart by Agapito Asuncion, apparently for the Comandante General de Marina of the Philippines, showing a few settlements and topographic features. Inset: drawing of a blue and orange flag labeled "Bandera que tiene arbolada el Datto Tibi en Kinabatangan." Large scale. (Filed as Spanish chart #134)

1970. DILI HARBOR, TIMOR ISLAND, PORTUGUESE EAST INDIES. 1868. 1 item.
Manuscript chart of "Dilly" harbor showing hydrography; topography; Chinese, native, and Portuguese settlements; and prominent waterfront buildings, including a church, a bank, an arsenal, a fort, and a customhouse. 1 inch to approx. 1 nautical mile. Source: U.S.S. *Idaho.* (Filed as 443.9)

Australia and New Zealand

1971. AUSTRALIA AND NEW ZEALAND. 1886. 1 item.
Printed sample weather chart (received from the U.S.S. *Enterprise*) of the type used by the Colonial Museum of New Zealand and the Intercolonial Weather Exchange. It shows telegraph stations, lines, and submarine cables. Small scale. (Filed as 543.18)

1972. NEW ZEALAND. 1886-89. 3 items.
Printed wreck charts, enclosed with the 1886-89 annual reports of the New Zealand Marine Department received from the U.S.S. *Mohican,* covering the periods April 1886-March 1887, April 1887-March 1888, and April 1888-March 1889. Symbols show strandings, collisions, missing vessels, and casualties but not the names of ships. Approx. 1:3,500,000. (Filed as 543.20, #2-#4)

1973. NEW ZEALAND. 1887. 1 item.
"New Zealand Lighthouse Chart of General Coast Lights and Principal Harbour Lights . . . ." Printed chart enclosed with the 1886-89 annual reports of the New Zealand Marine Department received from the U.S.S. *Mohican.* 1:3,000,000. (Filed as 543.20, #1)

1974. TIMARU HARBOR, DISTRICT OF CANTERBURY, NEW ZEALAND. 1887-88. 2 items.

Printed harbor plans enclosed with the 1886-89 annual reports of the New Zealand Marine Department received from the U.S.S. *Mohican*. Shown are harbor works completed each year and, on reverse side, verbal descriptions of the port, sailing directions, exports, and revenue. 1 inch to approx. 2,000 feet. (Filed as 543.20, #5 and #6)

ARCTIC REGION

1975. NORTH POLAR REGION. Ca. 1876-78. 1 item.

Manuscript map on which "Wm. Bauman, del." is shown at the bottom. It possibly was drawn by the Hydrographic Office in connection with *Narrative of the North Polar Expedition*, C. H. Davis, ed. (Washington, 1876), the record of the *Polaris* expedition commanded by Charles Francis Hall, and annotated on the reverse side "1878? For use with C. F. Hall's maps etc." The map shows numerous place-names in the Canadian and Siberian Arctic and the "probable track of Franklin 1845" in the Canadian regions. Small scale. (Filed as 191.23, #1)

1976. NORTH POLAR REGION SHOWING HISTORICAL EXPLORATIONS, 1553-1881. Ca. 1886. 1 item.

Undated map printed by Van Capen & Johnson, Franklin Square, N.Y., and received in the archives of the Hydrographic Office in 1886. It is overprinted in red ink to show explorations from the 16th to the 19th centuries. Included are explorations by the following ships: the *Argo* of Philadelphia (1753-55), the *Diligence* of Virginia (1772), the U.S.S. *Vincennes* (1855), the *Jeannette* (drift route, 1880-81), the *Florence* (1878), and the U.S.S. *Polaris*, ice-floe party (1872-73).

General locations of the following explorers are shown: Aldrich (1876), Anderson and Stewart (1855), Back (1833-36), Baffin (1615), Barents (1597), Beaumont, RN (1875), Beechey (1826), Belcher (1852-?), Berry, USN (1881), Bradford (1869), Braine (1873), Buddington (1873), Burroughs (1556), Carlsten (1871), Cheyuskin (1742), Collinson (1851-53), Davenport (1871), Davis (1587), Dease and Simpson (1837), De Haven (1850), De Long (1879), Deschnew (1648), Forsythe (1850), Fox (1631), Franklin (1819-26), Frobisher (1576-78), Greely (1881), Greer (1873), Hall (1860-64 and 1867-69), Hartstene (1855), Hayes (1860), Hearne (1869-70), Hooper (1881), Hudson (1607-10), Inglefield (1853-54), Kane (1853), Kellet (1849), Koldewey (1868-70), Lamont (1871), Long (1867), Lutke (1824), Lyon (1824), McClintock (1859), McClure (1851-53), Mackenzie (1789), Markham (1875), Middleton (1742), More and Maguire (1848-52), Nordenskjold (1875 and 1878-79), Parry (1819, 1821-22, and 1827), Payer and Weybrecht (1871-74), Penny (1850), Phipps (1773), Pronchshchef (1735), Pullen (1849-51), Rae (1847-49), Ray (1881), Raymond (1869), Raynor (1861), John Rodgers (1855), Ross (1848-50), Schwatka (1879-81), Scoresby (1822), Smith (1873), Wadleigh (1881), Willoughby (1553), Wood (1676), Wrangell (1820-24), and Young (1875).

Inset: landscape view of Wrangel Island, Siberia, as seen from the bark *Nile* in 1867. Small scale. (Filed as 191.38)

1977. ARCTIC OCEAN. 1897. 1 item.

Published chart of the Arctic Ocean (H.O. chart No. 963, dated 1885), annotated in red ink with notes by Prof. George Davidson of the Geographical Society of the Pacific (formerly of the U.S. Coast Survey) relating to explorations in the Beaufort Sea vicinity. The base chart is a conic projection centering on the North Pole. 1 inch to approx. 100 nautical miles. (Filed as 3103.49)

Canadian Arctic and Greenland

1978. CANADIAN ARCTIC AND SURROUNDING AREAS. 1895. 1 item.

"Plan of the Northern Polar Regions with Reference to Eastern Canada to Accompany Paper on 'The Eighteenth Meridian.' Proceedings of the Association of Ontario Land Surveyors 1895. Prepared by Willis Chipman & L. B. Stewart." Printed map showing explored, partially explored, and unexplored lands. Approx. 1:10,000,000. (Filed as 493.43)

1979. EXPLORATIONS IN THE CANADIAN ARCTIC AND VICINITY, 1610-1902. 1904. 1 item.

"Department of the Interior, Canada ... Explorations in Northern Canada and Adjacent Portions of Greenland and Alaska 1904. James White, F.R.G.S. Geographer." Published map showing by various colored lines and patterns the routes taken and the coasts explored by the following persons: Austin (1850-51), Back (1833-35), Beechey (1826), Button (1612-13), Bylot and Baffin (1615), Collinson (1851-53), Cook (1778), Dease and Simpson (1837-39), Fox (1631), Franklin (1821), Franklin (1825-26), Franklin (proposed route, 1845-48), Gibbons (1614), Greely (1881), Hall (1871-72), Hawkridge (1617), Hayes (1860-61), Hudson (1610-11), Inglefield (1852), James (1631-32), Kane and Morton (1853-55), Kennedy (1851-52), McClintock (1858-59), McClure (1850-54), Munk (1619-20), Nares (1875-76), Nordenskjold (1883), Parry (1819-25), Peary (1892-95 and 1900-1902), Penny (1850-51), Rae (1846-47 and 1854), Richardson (1826), J. Ross (1829-33), J. C. Ross (1848-49), and Sverdrup (1898-1902). Small scale. (Filed as 281.31)

1980. DE HAVEN EXPEDITION AT WELLINGTON CHANNEL, CANADA. 1850-52. 3 items.

Charts relating to discoveries in Wellington Channel, Canada, by the American Arctic Expedition under Lieutenant De Haven, USN—manuscript chart of Wellington Channel, showing De Haven's track and place-names; pencil tracing of Wellington Channel, dated 1852, showing place-names "combined with the English chart—for Peter Force, Esq."; and third manuscript chart at small scale showing a part of the Canadian Arctic between approximate latitudes 58° and 75° N., longitudes 93° and 100° W. Scales vary. (Filed as 191.23, #1 sheets 1-3)

1981. DE HAVEN EXPEDITION AT BAFFIN BAY. 1851-53. 4 items.

"A Chart Illustrative of the Cruise of the American Arctic Expedition in Search of Sir John Franklin in the years 1850 & 51 Fitted out by Henry Grinnel Esq. of New York Commanded by E. J. De Haven Lieut. U.S. Navy. Brig *Advance* ... Schr. *Rescue* ... Compiled by P.M. Geo. P. Welsh, U.S.N., under the direction of M. F. Maury ... From Materials in the Bureau of Ordnance and Hydrography ...." Four versions of the same chart—printed chart; two other printed charts, with legends added in 1853 by George Schroeter of the Disturnell & Schroeter Publishing Co. of New York, showing by colored lines the additional discoveries of Penny (1851), Inglefield (of H.M.S. *Phoenix*, 1852), and Kennedy (1851-52); and reduced photocopy marked on the reverse side "Reproduced from original in Library of Congress" (ca. 1928). Scale of printed charts, 1 inch to approx. 60 nautical miles. (Filed as 171.14, #1 and #2; 191.23, #10, sheets 1 and 2)

1981a. CHART OF THE ARCTIC EXPLORING EXPEDITION OF I. I. HAYES. 1865. 1 item.

"A Chart Showing the Discoveries, Tracks, and Surveys of the Arctic Exploring Expedition of 1860 and 1861, I. I. Hayes M. D. Commanding. Newly Projected from Revised Materials Discussed for the Smithsonian Institution by Charles A. Schott U.S. Coast Survey." Chart, published in 1865, covering northern Baffin Bay, Smith Sound, and Kennedy Channel. 1:1,200,000. (Filed as 191.23, #8)

1982. TRACK OF THE U.S. SCREW STEAMER "TIGRESS" IN SEARCH OF THE U.S.S. "POLARIS." 1873. 1 item.

Rough manuscript chart showing the track of the ship on a special cruise to the arctic

region. 1 inch to approx. 1 nautical mile. (Filed as 141.34)

1983. WEST COAST OF GREENLAND IN THE VICINITY OF DISKO ISLAND. Ca. 1873. 1 item.

"Chart of the W. Coast of Greenland from 68 to 71 North Lat." Small manuscript chart on tracing cloth "Furnished the Navy Dept. by Comdr. D. L. Braine U.S.N." It shows topography, icebergs, place-names, mines, and the place where the "U.S.S. *Juniata* mined coal Aug. 1873." 1 inch to approx. 20 nautical miles. (Filed as 191.23, #4)

1984. U.S.S. "POLARIS" EXPEDITION. Ca. 1873-74. 5 items.

Charts prepared in the Hydrographic Office relating to published H.O. chart No. 555, 1871-73—"Chart of the Regions of Smith Sound and Baffin Bay Showing the Tracks and Discoveries of the U.S.S. *Polaris* C. F. Hall, commanding, newly projected from revised material by Emil Bessels"; undated printed chart (1 inch to approx. 22 nautical miles), which includes an inset plan showing the drift of the ice-floe party, tracks of the U.S. ships *Juniata* and *Tigress* and the whaler *Ravenscraig,* and two landscape views; photographic copy (faded and partly illegible) of an unidentified chart of the same region showing tracks of the *Polaris* and other ships; tracing of the same area with corrections; and tracing of the Hall Land and Lincoln Sea vicinity with place-name corrections. Scales vary. (Filed as 191.20, #1-#4)

1985. CHARTS PREPARED FOR PUBLICATION IN C. H. DAVIS, ED., "NARRATIVE OF THE NORTH POLAR EXPEDITION" (WASHINGTON D.C., 1876). Ca. 1876. 5 items.

Small manuscript charts apparently prepared by Hydrographic Office draftsmen as illustrative plates for the record of the *Polaris* expedition commanded by Charles Francis Hall. Included are the following titles: "*Polaris* Expedition, C. F. Hall Commanding" (item #12), "Drift of *Polaris* While Beset 1872 Track of Boats 1873" (item #13), "Discoveries of the *Polaris*" (item #14), "Track of Hall's Last Sledge Journey" (item #15), and "Travels and Explorations of Capt. C. F. Hall in Arctic America Between 1860 and 1869" (item #16). Scales vary. (Filed as 191.23, #12-#16)

1986. EXPLORATIONS IN NORTHERN GREENLAND BY LIEUTENANT LOCKWOOD OF THE GREELY EXPEDITION. 1882. 1 item.

"Chart of Coast of North Greenland Accompanying report of sledge journey between April 3d and June 1st 1882, also showing the route of a preliminary journey in March to Thank-God-Harbor. The coast line west of C. May is taken from Lieut. Beaumont's Map." Printed map containing a few annotations. 1 inch to approx. 12 statute miles. (Filed as 191.36, #2)

1987. EXPLORATIONS IN GRINNEL LAND, CANADA, BY LIEUTENANT LOCKWOOD OF THE GREELY EXPEDITION. 1883. 1 item.

"Map, accompanying Report, showing Explorations to the south-west across Grinnel Land on sledge-journey between April 25th and May 26th 1883, by 2 Lieut. J. B. Lockwood, 23d. Infty. A.S.O." Printed map with annotations. 1 inch to approx. 12 statute miles. (Filed as 191.36, #1)

1988. CHANNELS NORTH OF BAFFIN BAY, CANADA. 1884. 1 item.

"Arctic Sea. The Channels North of Baffin Bay, Between Greenland and North America. Compiled from the observations by the latest American and British Arctic Expeditions . . . . Prepared at the U.S. Hydrographic Office by order of the Secretary of the Navy. February 1884." Chart, printed as "Exhibit U. Appendix Greely Relief Board," showing by colored lines the tracks of the U.S.S. *Polaris,* 1871-72; H.M. ships *Alert* and *Discovery,* 1875-76; the Arctic yacht *Pandora,* 1876; the steamer *Proteus,* 1881 and 1883; and the steamer *Neptune,* 1882; as well as locations of supply depots. 1 inch to approx. 20 nautical miles. (Filed as 191.23, #17)

1989. TRACKS OF THE U.S. SHIPS "THETIS" AND "BEAR" ACROSS SMITH SOUND,

CANADA, DURING THE GREELY RELIEF EXPEDITION. 1884. 1 item.

Tracing, apparently prepared in the Hydrographic Office as a plate for an unidentified published work, showing tracks of the ships between Camp Clay and Littleton Island and such place-names as Colwell's Cache, Beebe Cache, and Proteus Camp. 1 inch to approx. 3 nautical miles. (Filed as 191.23, #18)

1990. HUDSON BAY, DAVIS STRAIT, AND FOX CHANNEL, CANADA. 1884-85. 5 items.

Chart by Dr. Franz Boas and Emil Bessels showing corrected positions of Mansfield Island in Hudson Strait and Cape Southampton in Hudson Bay; annotated chart of Cumberland Sound and Peninsula, Baffin Land, and Davis Strait, printed for Petermanns Geographische Mitteilungen; tracing of Davis Strait in the vicinity of Cape Broughton, Baffin Land; tracing of Davis Strait, south of Cape Kater; and tracing of Fox Channel. Scales vary. (Filed as 191.30, #1-#5)

1991. DISKO ISLAND AND ADJACENT WATERS, WEST COAST OF GREENLAND. N.d. 1 item.

Small tracing showing the track of H.M.S.V. *Phoenix*. 1 inch to 17 nautical miles. (Filed as 191.23, #2)

Northern Alaska and Adjacent Parts of Canada

1992. ARMY SIGNAL SERVICE EXPEDITION TO POINT BARROW, ALASKA. 1881-83. 1 item.

"War Department Signal Service U.S. Army. Map of Explorations in North Western Alaska Under the Direction of W. B. Hazen, Brig. and Bvt. Maj. Genl. Chief Signal Officer, U. S. Army: By P. H. Ray, 1st Lieut. 8th Infantry, U. S. Army, Commanding Expedition to Pt. Barrow, Alaska. 1881-1883." Printed chart showing Ray's routes along the Meade River and the north coast; the location of the U.S. Signal Station at Ooglaamie, near Point Barrow; and place-names along the coast from Cape Lisburne north to Cape Simpson. Approx. 1:800,000. (Filed as 191.29)

1993. TRACKS OF THE U.S.S. "OUNALASKA" FROM THE ALEUTIAN ISLANDS TO KOTZEBUE SOUND. 1884. 2 items.

Published chart of the Bering Sea and adjacent regions (H.O. chart No. 68, dated 1884), annotated to show the track of the ship, soundings, and a few dates and tracing showing only the ship's track. The published base chart covers parts of Alaska and Siberia and shows place-names, rivers, the "Koriaks" and "Tchouktchis" in Siberia and other information. Inset: landscape view of Wrangel Island, northwest of the Bering Strait, as seen by the American bark *Nile* of New London, 1867. Small scale. Source: U.S.S. *Ounalaska*, assigned to the Alaska Exploring Expedition under the command of Lt. George M. Stoney. (Filed as 183.1)

1994. KOBUK (PUTNAM, KUBUCK, OR KOWACK) RIVER, SALAWIK LAKE AND RIVER, AND HOTHAM INLET (KOTZEBUE SOUND). 1884. 1 item.

"Plotting Sheet No. 1." Large, rough plotting sheet covering the "Putnam River" from its mouth to Hot Springs (Al-lue-ga-wick), slightly northeast of Lake Selby, and adjacent areas between latitudes 66° and 67°40′ N., and showing topography, vegetation, Indian villages, and campsites along the rivers and tributaries. Large scale. 5 x 8 feet. Source: U.S.S. *Ounalaska*, assigned to the Alaska Exploring Expedition under the command of Lt. George M. Stoney. (Filed as 381.9, #5)

1995. KOBUK (PUTNAM, KUBUCK, OR KOWĀCK) RIVER. 1884. 1 item.

"Northwestern Alaska. Putnam (or Kubuck) River. Showing the explorations and discoveries of the Expedition of the U.S. Sch. *Ounalaska*, Lieut. Geo. M. Stoney U.S.N. Comdg . . . in 1884." Manuscript map, reduced for publication, covering the river from Hotham Inlet (Kotzebue Sound) to the vicinity of Lake Selby (longitude approx. 155°40′ W.) and showing topography, vegetation cover, Indian villages, and deserted villages along the river. Much of the map is blank except for that part

directly adjacent to the river. 1 inch to approx. 5 nautical miles. (Filed as 381.9, #2)

1996. KOBUK (PUTNAM, KUBUCK, OR KOWACK) RIVER. 1884. 1 item (2 sections).
Large, rough, partly illegible plotting sheet of the river showing expedition campsites P-2 ("1st camp") to P-23 and occupied and deserted villages along the river. Large scale. 4 1/2 x 5 feet and 5 x 6 feet. Source: U.S.S. *Ounalaska,* assigned to the Alaska Exploring Expedition under the command of Lt. George M. Stoney. (Filed as 381.9, #1 and #8)

1997. HOTHAM INLET AND MOUTH OF KOBUK (PUTNAM, KUBUCK, OR KOWACK) RIVER. 1884. 2 items.
Sketch charts, rough and revised versions, showing notes on the terrain adjacent to the inlet and some huts. The rough version is partly illegible. 1 inch to approx. 4 miles. Source: U.S.S. *Ounalaska,* assigned to the Alaska Exploring Expedition under the command of Lt. George M. Stoney. (Filed as 381.9, #3 and #4)

1998. HEADWATERS OF THE KOBUK (PUTNAM, KUBUCK, OR KOWACK) RIVER, THE HOGATZA (KO-KA-CHAT-NA) RIVER, AND THE ALATNA (AL-LASH-OOK) RIVER. 1884. 1 item.
Large, rough map showing tributaries, lakes, and villages as far north as the village of Nimyuk and Lake Chandler at approximate latitude 68°10′ N. The words "Navy Pass" are annotated between Nimyuk and Lake Chandler. Large scale. 4 x 6 feet. Source: U.S.S. *Ounalaska,* assigned to the Alaska Exploring Expedition under the command of Lt. George M. Stoney. (Filed as 381.9, #7)

1999. NOATAK (INLAND) RIVER. 1884. 1 item.
Large, rough map of the river from near its mouth to its headwaters showing only the outline of the river and the villages of An-e-yuk, Shot-koal-uck, and Nimyuk. Large scale. 8 x 3 feet. Source: U.S.S. *Ounalaska,* assigned to the Alaska Exploring Expedition under the command of Lt. George M. Stoney. (Filed as 381.9, #6)

2000. POINT HOPE PENINSULA (TIGARA NOONA), NORTHWEST ALASKA. Ca. 1889. 2 items.
Two similar tracings based on explorations by J. W. Kelly. One is entitled "Tigara Noona 1885-1889 J. W. Kelly" and annotated "Traced from the original in the possession of Lt. Comdr. C. H. Stockton, U.S.N. [commander of the U.S.S. *Thetis*], by G. W. Littlehales, Division of Chart Construction [Hydrographic Office]." The other is identified by the following note in the margin: "Sketch of the Interior of N. W. Alaska from Cape Kruzenstern to Cape Beaufort from Explorations by Mr. John W. Kelly." The maps cover an area from the coast eastward to approximate longitude 162° W. and show topography, rivers, place-names, villages, coal mines on the north coast, and other features. The "Tigara Noona" version contains more topographic detail, place-names, and notes concerning the Tigara Indians and Iknashekarook Volcano. 1 inch to approx. 6 nautical miles. (Filed as 282.66; 381.28)

2001. TRACK OF THE U.S.S. "THETIS," NORTH OF ALASKA. 1889. 1 item.
Published chart covering part of the Arctic between Wrangel Island, Siberia, and Mackenzie River, Canada (H.O. chart No. 912, dated 1882). Annotations show the ship's track in August and September, reported shoals, the location of Cross Island, the limits of the icepack in the Chuckchi Sea, and other corrections. Small scale. (Filed as 191.42)

2002. PARTIAL TRACK OF THE U.S.S. "THETIS," NORTH OF ALASKA. 1889. 1 item.
Small tracing showing the ship's track on September 6 and 7 and the southern limits of the icepack in the Chuckchi Sea, northwest of Alaska. Scale is not shown. (Filed as 282.65, #4)

2003. NORTH COAST OF ALASKA SHOWING EXPLORATION ROUTES. Ca. 1889. 1 item.
Tracing received from the U.S.S. *Thetis* showing by various colors the routes of Captain Winchester, 1879, Capt. Joshua

Baker, 1885-88, and the *Thetis*, 1889. Also shown are the limits of the icepack for 1888 and 1889. 1 inch to approx. 30 nautical miles. (Filed as 381.32)

2004. CAPE SMYTH (NEAR POINT BARROW), ALASKA. 1889. 2 items.

Manuscript charts of the anchorage and settlement at Cape Smyth showing a Government station, a Pacific whaling station, dwellings in the "Ootkeavie Indian Village" (now town of Barrow), and offshore soundings. Large scale. Source: U.S.S. *Thetis*. (Filed as 282.65, #1 and #1a)

2005. HERSCHEL ISLAND, NORTHWEST COAST OF CANADA (YUKON). 1889. 2 items.

Manuscript charts showing hydrography, topography, and place-names. Inset: plans of Pauline Cove. 1 inch to approx. 1 nautical mile. Source: U.S.S. *Thetis*. (Filed as 282. 65, #2 and #2a)

2006. CROSS ISLAND, MIDWAY GROUP, NORTH COAST OF ALASKA (EAST OF POINT BARROW). 1889. 2 items.

Manuscript charts, differing slightly, showing hydrography, lagoons, and "stake with cross." A note on one chart reads, "Cross Island is the most westerly of a group of three small islands about Midway between Return and Lion Reefs." Large scale. Source: U.S.S. *Thetis*. (Filed as 282.65, #3 and #3a)

2007. TRACK OF THE AMERICAN STEAM WHALER "MARY D. HUME" AND A PLAN OF LIVERPOOL BAY. 1892. 1 item.

Tracing showing the ship's track from Cape Bathurst, northwest Canada, to Manning Point vicinity, Alaska. Inset: plan of Liverpool Bay, Canada, with soundings. Scale is not shown. (Filed as 553.39)

2008. NORTHWEST ALASKA. 1898. 1 item.

"Map of Northwest Alaska Showing the Region Drained into Kotzebue Sound By the Kubuck or Putnam, Noatak, and Selawik Rivers and Country adjoining, Explored by the U.S. Naval Expedition 1885-86 under Lieut. George M. Stoney, U.S.N. Compiled from the Original Charts and Papers by A. L. McDonald ... This Map was made to accompany a work by Lt. Geo. M. Stoney, now in press, giving a full description of the Country, etc. San Francisco, Cal. 1898." A version of this map was published with Stoney's article in *U.S. Naval Proceedings*. It covers the area from the Yukon River in the south to the Noatak River and Lake Chandler, at approximate latitude 68°10′ N., longitude 153° W., and shows rivers, topography, place-names, villages, Fort Cosmos (winter quarters, 1885-86), altitudes of major mountain peaks, and other information. Insets: location map, enlarged map of Hotham Inlet and the delta of the Kobuk (Putnam) River, and map showing the route from An-e-yuk to Point Barrow explored by Ens. W. L. Howard, 1886. 1 inch to approx. 12 nautical miles. (Filed as 1101.11)

This map, prepared in 1898, is the only 19th-century record of the second Stoney expedition, 1885-86, in the cartographic archives of the Hydrographic Office. Efforts to locate the original records of the expedition among both the textual and cartographic records have been unsuccessful.

2009. NORTH COAST OF ALASKA AND ADJACENT COAST OF CANADA (BEAUFORT SEA REGION). 1898. 1 item.

Published chart (H.O. chart No. 1189, dated 1893), annotated with corrections reported by the captains of the whale steamer *Karluk* and the whale brig *Hidalgo*, covering an area between longitudes 130° and 155° W. 1 inch to approx. 30 nautical miles. (Filed as 161.20)

2010. NOME AND VICINITY. 1901. 1 item.

Small sketch map drawn by Thomas Hancock to accompany a letter, which relates to the origin of the name "Cape Nome," from Prof. George Davidson of the Geographical Society of the Pacific, University of California (formerly of the U.S. Coast Survey). The map shows the names of all tributaries of the Nome and the Snake Rivers, located on both sides of the town of Nome. Scale is not shown. (Filed as 2123.50)

2011. SHORELINE IN VICINITY OF NOME. 1905. 1 item.

Published chart of Norton Sound (Coast Survey chart No. 9380, dated 1902), annotated in pencil by Capt. P. C. Rickmers to show corrections in the shoreline and shoals northwest of Nome and forwarded by the Branch Hydrographic Office at San Francisco. 1:400,000. Source: SS *Saidie.* (Filed as 1103.37)

Russian Arctic

2012. NORTHERN SIBERIAN COAST. Ca. 1874. 1 item.

Printed map of northern Siberia from the White Sea to the Bering Strait. Various colors are keyed to a list of 22 names, apparently of explorers. The map also shows numerous place-names and topographic features throughout northern Siberia. All names of persons and places are in Russian Cyrillic script. 1:6,300,000. (Filed as 191.15, #4)

2013. PROFESSOR NORDENSKJOLD'S VOYAGE ALONG THE NORTH COAST OF SIBERIA AND PREVIOUS EXPLORERS' ROUTES. 1879. 1 item.

Tracing prepared for publication by the Hydrographic Office showing Nordenskjold's route between the Lena River and the Bering Strait in the Swedish steamer *Vega* in 1878. The chart has no standard Hydrographic Office publication number but was apparently meant to be a companion to published H.O. chart No. 865, which shows Nordenskjold's voyage from the mouth of the Yenisei River to the Lena River. Also shown are the tracks of the U.S.S. *Vincennes,* 1855, the American bark *Nile,* 1867, the Russian vessel *Vsadnik,* 1876, and the *Vega,* 1878, and the following, mostly overland, explorations: Billings and Sarytschew, 1787-92, Hedenstrom, 1809-10, Pschenizyn and Sanikow, 1811, Anjou, 1821-23, Wrangel, 1821-23, Matiuschkin, 1822, and Kosmin, 1823. Small scale. (Filed as 191.16)

2014. BERING SEA, BERING STRAIT, AND PART OF ARCTIC OCEAN. 1855. 2 items.

"Behring's Sea and Arctic Ocean From Surveys of the U.S. North Pacific Surveying Expedition in 1855 Commander John Rodgers, U.S.N., Commanding and from Russian and English Authorities." Two manuscript versions of the same chart compiled by E. R. Knorr of the Hydrographic Office. These are apparently original versions of Hydrographic Office chart No. 68 of the Bering Sea and part of the Arctic Ocean. Coverage includes the Siberian and Alaskan coasts. Shown are hydrographic features; the limits of the Arctic icepack for various years from 1826 to 1855; sightings in the Arctic Ocean by the U.S.S. *Vincennes,* by Admiral Wrangel of the Russian Navy, and by Captain Kellet of H.B.M.S. *Herald;* the lands of the "Tchouktchis" and the "Koriaks" in Siberia; and coastal settlements in Siberia and Alaska. 1 inch to approx. 40 nautical miles. (Filed as 191.33, #81 and #82)

2015. PART OF THE ARCTIC OCEAN NORTHWEST OF THE BERING STRAIT, INCLUDING THE VICINITY OF WRANGEL AND HERALD ISLANDS. 1855. 1 item.

"U.S. North Pacific Surveying Expedition, Commander John Rodgers, U.S.N., Comdg. Part of the Arctic Ocean Reconnoitered in the U.S. Ship *Vincennes,* by the following Officers . . . August 1855. Original Working Sheet No. _____." Manuscript chart showing tracks of the ship; soundings; notes on sightings of land, ice, birds, and animals; and topography, rivers, and settlements on the adjacent coast of northeast Siberia. The mainland of Siberia is identified as "Land of the Tchouktchis." Wrangel and Herald Islands are not included. 1 inch to approx. 17 nautical miles. (Filed as 191.33, #84)

2016. HERALD ISLAND, NORTHWEST OF THE BERING STRAIT. 1855. 1 item.

"U.S. North Pacific Surveying Expedition. Lieut. John Rodgers, U.S.N., Comdg. Herald Island By the U.S. ship *Vincennes.* August 1855. Original Working Sheet

No._____." Manuscript chart, projected by E. R. Knorr, showing the topography of the island, the ship's tracks, and the limits of packed ice. Inset: view of the island based on a sketch by William Brenton Boggs, purser, USN., and apparently redrawn by expedition artist Edward M. Kern. 1 inch to approx. 1 nautical mile. (Filed as 191.33, #85)

2017. BERING SEA, BERING STRAIT, AND ADJACENT PART OF THE ARCTIC OCEAN. Ca. 1855. 1 item.

Small manuscript chart apparently relating to the U.S. North Pacific Surveying Expedition of the 1850's. It shows hydrographic features; place-names; the limits of the Arctic icepack for certain years; tracks of the Russian navigator Wrangel, northwest of the Bering Strait in 1821-22; several Russian forts and trading posts in Alaska; a "Russian Rendezvous" on the Yukon River in Canada; and rivers. Small scale. (Filed as 283.22, #1)

2018. BERING SEA, BERING STRAIT, AND PART OF THE ARCTIC OCEAN. Ca. 1855. 1 item.

Tracing, apparently received from the U.S. North Pacific Surveying Expedition of the 1850's, showing the outline of the coasts, a few coastal place-names, and the lands of the "Kariaks" and "Chouktchis" in Siberia. Small scale. (Filed as 283.22, #10)

2019. TRACK OF THE AMERICAN MERCHANT BARK "NILE" IN THE VICINITY OF WRANGEL, HERALD, AND PLOVER ISLANDS, NORTHWEST OF THE BERING STRAIT. 1867. 1 item.

Small manuscript chart showing the tracks of the ship and adjacent islands and coastlines. Small scale. (Filed as 142.21, #N-3)

2020. BERING SEA, BERING STRAIT, AND PART OF ARCTIC OCEAN. Ca. 1868. 2 items.

Two revised versions of the 1855 U.S. North Pacific Surveying Expedition chart described in entry 2014 showing "additions to May 1868." One version is annotated with corrections in red ink; the second is a final printed version incorporating the new information. The additions include the track of the American bark *Nile,* 1867, and a view of Wrangel Island as seen from the *Nile.* 1 inch to approx. 40 nautical miles. (Filed as 191.33, #80 and #83)

2021. PART OF THE ARCTIC OCEAN NORTHWEST OF THE BERING STRAIT, INCLUDING THE VICINITY OF WRANGEL AND HERALD ISLANDS. Ca. 1868. 3 items.

Three revised versions of the 1855 U.S. North Pacific Surveying Expedition chart described in entry 2015, corrected to show additional information to 1867. The information relates to Herald and Wrangel Islands as seen from the American bark *Nile* in 1867 and similar sightings by Admiral Wrangel of the Russian Navy, n.d., by the *Nautilus,* n.d., by Captain Kellet of the *Herald,* 1849, and by the bark *Reindeer,* 1867. 1 inch to approx. 17 nautical miles. (Filed as 191.33, #84a, #86, and #87)

2022. SEARCH FOR THE U.S.S. "JEANNETTE" IN THE NORTHERN ATLANTIC AND ARCTIC OCEANS BY THE U.S.S. "ALLIANCE." 1881. 7 items.

Manuscript track chart of the *Alliance*; several published Hydrographic Office and British Admiralty charts of the vicinity of Iceland, Norway, and Spitzbergen, annotated to show the track of the *Alliance*; and "synopsis of the logbook," including data on positions, winds, barometric pressure, temperature, and precipitation. Scales vary. (Filed as 191.8, #1-#6; 142.21, #A-9)

2023. SEARCH FOR THE U.S.S. "JEANNETTE," NORTHWEST OF THE BERING STRAIT, BY THE U.S.S. "RODGERS." 1881. 2 items.

Two versions, a rough preliminary chart in pencil and a final manuscript version prepared for publication as Hydrographic Office chart No. 908, showing the ship's tracks and the topography of the islands. 1 inch to approx. 28 nautical miles. (Filed as 191.1, #3 and #4)

2024. WRANGEL ISLAND, NORTHWEST OF THE BERING STRAIT. 1881. 1 item.

Manuscript chart, apparently used as the basis for published Hydrographic Office chart No. 906, showing hydrography, topography, place-names, the ship's tracks,

and the route of Lieutenant Berry's overland trip. 1 inch to approx. 4 nautical miles. Source: U.S.S. *Rodgers* expedition in search of the U.S.S. *Jeannette.* (Filed as 191.1, #2)

2025. RODGERS HARBOR, WRANGEL ISLAND, NORTHWEST OF THE BERING STRAIT. 1881. 1 item.

Tracing of the harbor and sandspits, annotated on reverse side as "hurriedly done." Approx. 1 1/2 inches to 1 nautical mile. Source: U.S.S. *Rodgers* expedition in search of the U.S.S. *Jeannette.* (Filed as 191.1, #1)

2026. LOSS OF THE U.S.S. "JEANNETTE" AND LANDINGS AT THE DELTA OF THE LENA RIVER, SIBERIA, 1881-82. 1882-83. 10 items.

Charts, tracings, and landscape views not identified as to source except for the annotation "From *Jeannette* Court of Enquiry" marked in pencil on item #2. Included are two tracings (#2 and #11) of the delta of the Lena River showing tracks of Melville, campsites, where De Long's party was found dead in 1882, De Long's tomb, huts, villages, and trails; a sheet (#3) of five landscape views of the Henrietta and the Jeannette Islands, discovered by the *Jeannette* in 1881; and seven Russian charts, mostly printed (#1 and #5-#10), of northern Siberia and parts thereof. The Russian charts, which are in Cyrillic script, cover much of the mainland of Siberia as well as the coast. Scales vary. (Filed as 191.15, #1-#3 and #5-#11)

2027. DISCOVERIES IN BARENTS SEA, KARA SEA, AND THE MOUTHS OF THE OB AND YENISEI RIVERS. 1896. 2 items.

Tracing showing, by colored lines, the tracks of eight Russian expeditions in the region, and printed chart (in Russian, with some English translations of place-names) of the Ob and Yenisei vicinity showing changes in the coastline from previous charts. Small scale. Source: Maine Ministry at St. Petersburg, Russia. (Filed as 4101.40, #1 and #2)

MISCELLANEOUS

2028. CERTIFICATES OF AWARD TO THE HYDROGRAPHIC OFFICE. 1893 and 1900. 2 items.

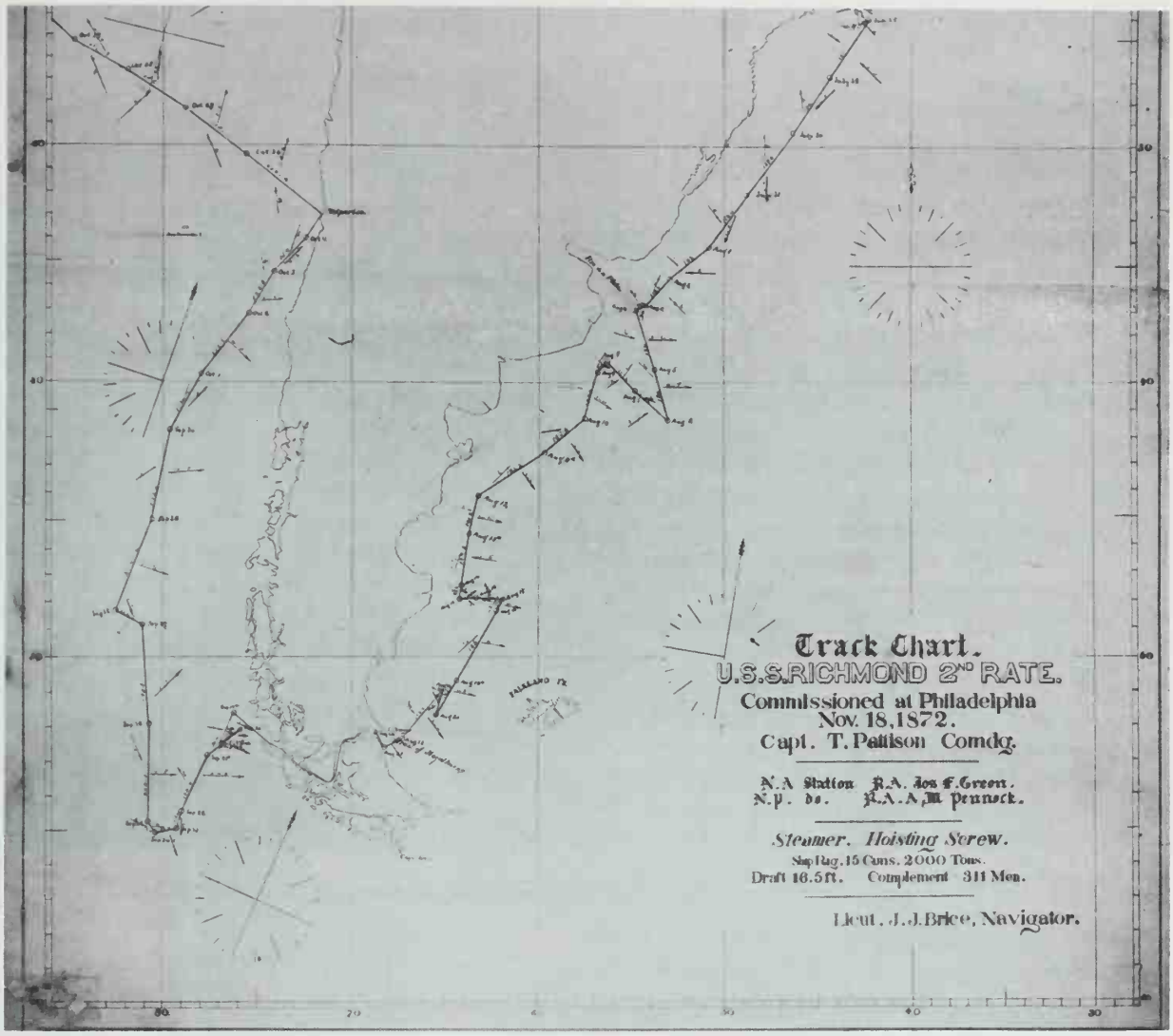
Two decorative, engraved certificates of award, one from the World's Columbian Exposition of 1893 in Chicago and the other from the Paris Exposition of 1900. (Filed as 4123.20)

2029. WORKSHEETS FOR STAR CHARTS. 1907-8. 7 items.

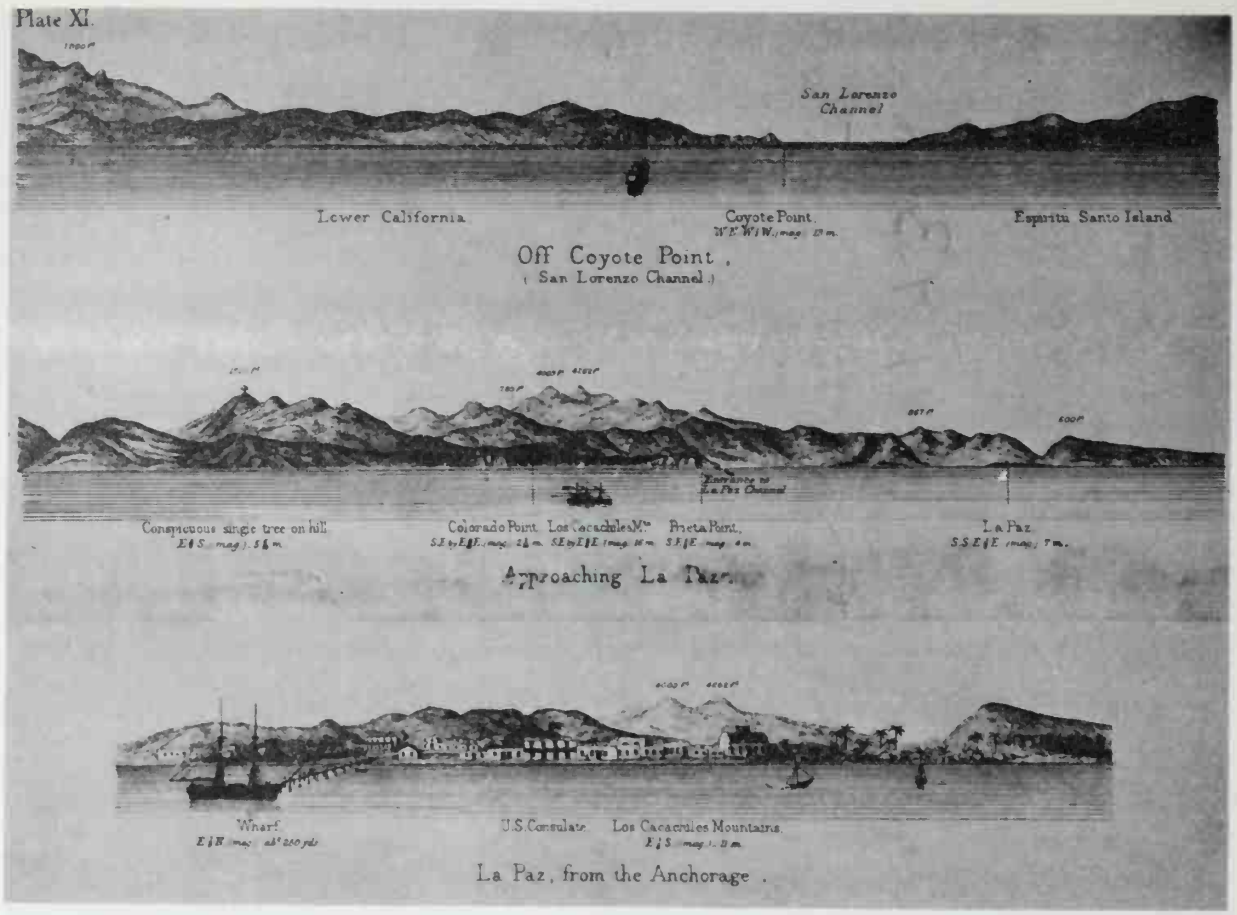
Maps of northern and southern constellations, originally copyrighted by Mary Proctor, and annotated copies of Hydrographic Office charts, Nos. 2100 and 2101, constellations of northern and southern hemispheres. (Filed as 531.8)

2030. METEOROLOGICAL PLOTTING SHEET. N.d. 1 item.

Blank copy of "Form A," a published chart of the world, divided into 1,667 squares for plotting meteorological data. It was prepared by the Meteorological Division of the Hydrographic Office probably late in the 19th century. (Filed as 142.57)

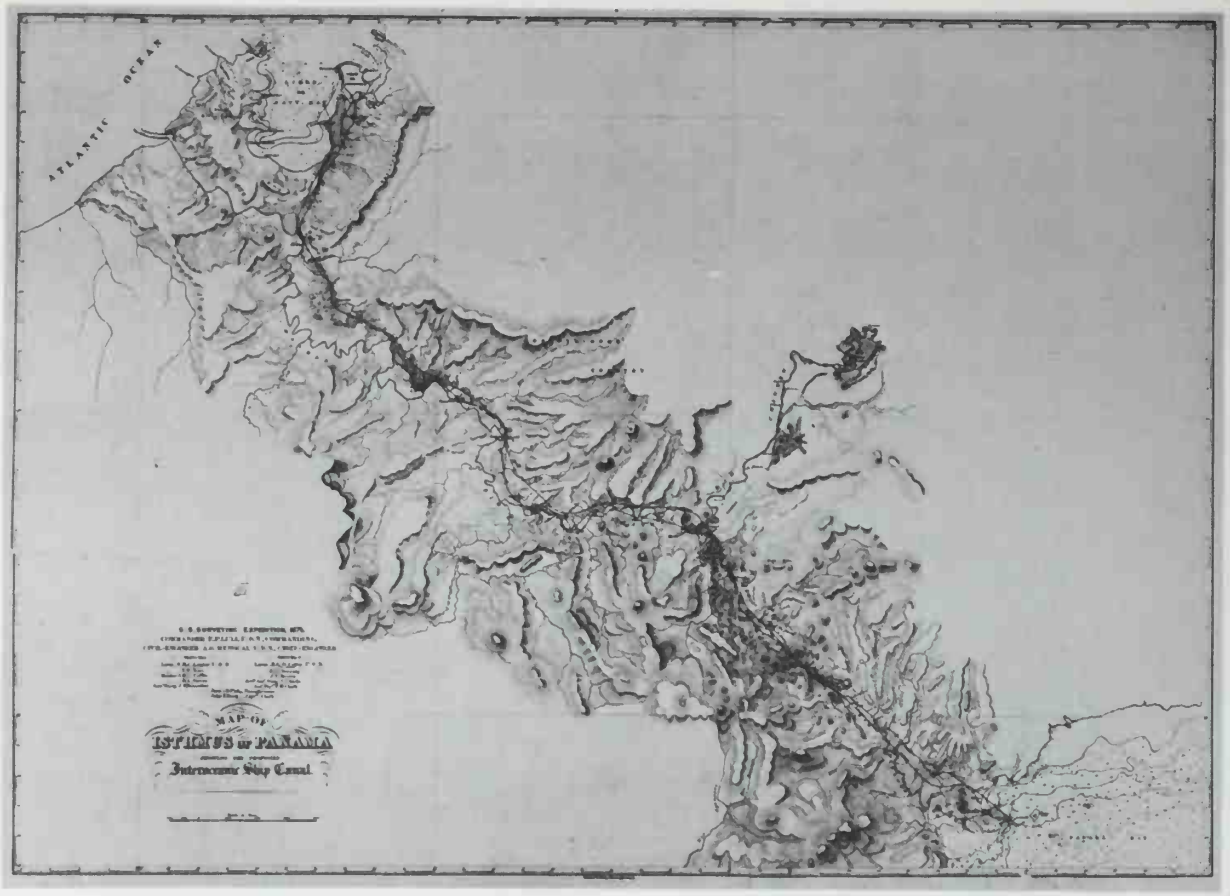


Part of track chart of the U.S.S. *Richmond*, 1872 (entry 25).



Landscape views or profiles of the coast near La Paz, Mexico (entry 720).

Survey of Acapulco, Mexico, by the U.S.S. *Tuscarora*, 1878 (entry 870).



Map of the Isthmus of Panama showing the proposed canal, 1875 (entry 1023).

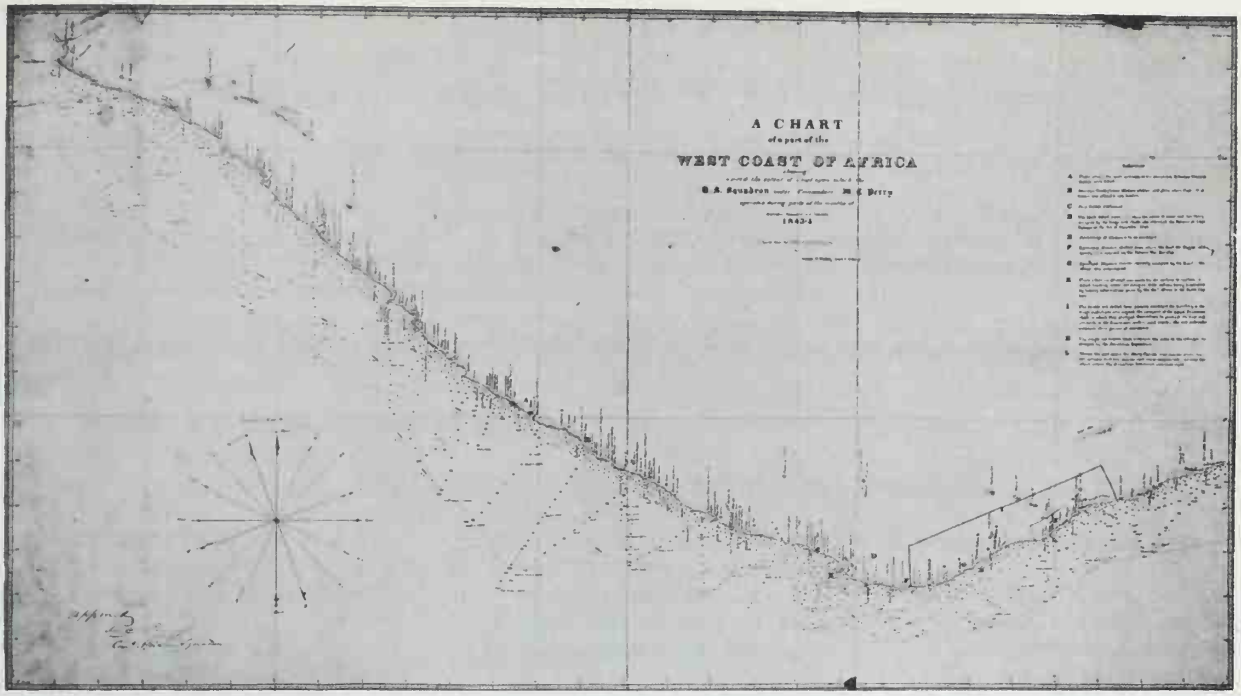


Chart of Liberia's coast showing area of operations of the U.S. Africa Squadron under Commodore M. C. Perry, 1843-44 (entry 1505).

Index to Charts From U.S. Navy Expeditions to the Pacific, 1838-59

Indexed here are charts from the U.S. Exploring Expedition commanded by Charles Wilkes (1838-42), the Japan expedition of Commodore Matthew C. Perry (1853-54), the U.S. North Pacific Surveying Expedition commanded by John Rodgers and Cadwalader Ringgold (1853-56), and the expedition of John M. Brooke in the U.S.S. *Fenimore Cooper* (1859). Brooke was also a member of the North Pacific Surveying Expedition.

For each expedition, the track charts are listed first, followed by charts that are listed alphabetically under various geographic areas.

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Some of the charts listed below were originally compiled during the Perry expedition to Japan, 1853-54, and the U.S. North Pacific Surveying Expedition, 1853-56, and contain corrections and additions from the J. M. Brooke expedition, 1859.

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